

Datasheet for ABIN7558679

## PROX2 Protein (AA 1-593) (His tag)



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### Overview

|                               |                                              |
|-------------------------------|----------------------------------------------|
| Quantity:                     | 1 mg                                         |
| Target:                       | PROX2                                        |
| Protein Characteristics:      | AA 1-593                                     |
| Origin:                       | Mouse                                        |
| Source:                       | HEK-293 Cells                                |
| Protein Type:                 | Recombinant                                  |
| Purification tag / Conjugate: | This PROX2 protein is labelled with His tag. |
| Application:                  | SDS-PAGE (SDS), Western Blotting (WB)        |

### Product Details

|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| Purpose:  | Custom-made recombinat Prox2 Protein expressed in mammalian cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Sequence: | <p>MDPPAAVLLP PQSRTCTHLA EETCMDQERS PATAEAGRDS FPSGQLPSSS LTEADWFWDE</p> <p>HIQAKRARVE TIVRGMCLSP SSSVSGRARE SLRCPEKGRE RKRKQSLPMH QGPLKSSPAW</p> <p>ERGPCKGGTR VKEQLHLLKQ QLRHLQEHVL QATEPRAPAQ SPGGTEPRSS PRARPRNSCS</p> <p>SGAWTVENEP HQSSSKDL CG AVKPGAAEVL QYSEEPMLCP SGPRALVETL RKELSRVVSQ</p> <p>AVDSVLQQVL FDPQRHLTQQ ERSCQGLASE GRNQPSPPGR SAYKDPLALA TLPRKIQPQA</p> <p>GVPLGNSTLA RPLDSPMCPV SPRGVPRSYQ SPLPNCPLTN VPSHTWENQM LRQLLGRGPD</p> <p>GQWSGSPPQD AAFQSHTSPE SAQQPWGLSQ QQLPLSLTPV HLESRLPPP VKMEQGVLRG</p> <p>VADSLPFSSI HIQEGLSPGH LKKAKLMFFF TRYPSSSLK AYFPDVQFNR CITSQMIKWF</p> <p>SNFREYYIQ MEKYARQALS DGITNAQALA VLRDSELFVRV LNTHYNKGND FEVPDCFLEI</p> <p>AALTLKEFFR AVLAGKSDP SWKKPIYKVI SKLSDVPEM LKSPSFLPGL FPS <b>Sequence without tag.</b></p> <p><b>The proposed Purification-Tag is based on experiences with the expression system, a</b></p> |

**different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Characteristics: | <p>Key Benefits:</p> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <p>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.</p> |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|         |                                                     |
|---------|-----------------------------------------------------|
| Purity: | > 90 % as determined by Bis-Tris Page, Western Blot |
| Grade:  | custom-made                                         |

Target Details

|                   |                                                                                                                                                                                                                               |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | PROX2                                                                                                                                                                                                                         |
| Alternative Name: | Prox2 ( <a href="#">PROX2 Products</a> )                                                                                                                                                                                      |
| Background:       | Prospero homeobox protein 2 (Homeobox prospero-like protein PROX2) (PROX-2),FUNCTION: Transcription regulator. Does not seem to be essential for embryonic development and postnatal survival. {ECO:0000269 PubMed:16470382}. |
| Molecular Weight: | 65.8 kDa                                                                                                                                                                                                                      |
| UniProt:          | <a href="#">Q8BII1</a>                                                                                                                                                                                                        |

Application Details

|                    |                                                                                                                                                                                                              |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though. |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Application Details

Restrictions: For Research Use only

Handling

|                  |                                                                  |
|------------------|------------------------------------------------------------------|
| Format:          | Liquid                                                           |
| Buffer:          | The buffer composition is at the discretion of the manufacturer. |
| Handling Advice: | Avoid repeated freeze-thaw cycles.                               |
| Storage:         | -80 °C                                                           |
| Storage Comment: | Store at -80°C.                                                  |
| Expiry Date:     | 12 months                                                        |