

Datasheet for ABIN7550554  
**PAX2A Protein (AA 1-417) (His tag)**



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## Overview

|                               |                                              |
|-------------------------------|----------------------------------------------|
| Quantity:                     | 1 mg                                         |
| Target:                       | PAX2A                                        |
| Protein Characteristics:      | AA 1-417                                     |
| Origin:                       | Human                                        |
| Source:                       | HEK-293 Cells                                |
| Protein Type:                 | Recombinant                                  |
| Purification tag / Conjugate: | This PAX2A protein is labelled with His tag. |

## Product Details

|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| Purpose:     | Custom-made recombinant PAX2 Protein expressed in mammalian cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Sequence:    | <p>MDMHCKADPF SAMHPGHGGV NQLGGVFVNG RLPDVVRQR IVELAHQGVR PCDISRQLRV<br/>           SHGCVSKILG RYYETGSIKP GVIGGSKPKV ATPKVVDKIA EYKRQNPTMF AWEIRDRLLA<br/>           EGICDNDTVP SVSSINRIIR TKVQQPFHPT PDGAGTGVT A PGHTIVPSTA SPPVSSASND<br/>           PVGYSINGI LGIPRSNGEK RKRDEVEVYT DPAHIRGGGG LHLVWTLRDV SEGSVPNGDS<br/>           QSGVDSLRLKH LRADTFTQQQ LEALDRVFER PSYDPVFQAS EHIKSEQGNE YSLPALTPGL<br/>           DEVKSSLSAS TNPELGSNVS GTQTYPVVTG RDMASSTLPG YPPHVPPTGQ GSYPTSTLAG<br/>           MYPGSEFSGN PYSHPQYTAY NEAWRFSNPA LLSPYYYS A APRGSAPAAA AAAYDRH</p> <p><b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary.</b></p> <p><b>In case you have a special request, please contact us.</b></p> |
| Specificity: | If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

## Product Details

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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| Characteristics: | <div>Key Benefits:</div> <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> |
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|         |                                                                                               |
|---------|-----------------------------------------------------------------------------------------------|
| Purity: | > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC) |
| Grade:  | custom-made                                                                                   |

## Target Details

|                   |                                                                                                                                                                                                                                                      |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | PAX2A                                                                                                                                                                                                                                                |
| Alternative Name: | PAX2 ( <a href="#">PAX2A Products</a> )                                                                                                                                                                                                              |
| Background:       | Paired box protein Pax-2,FUNCTION: Transcription factor that may have a role in kidney cell differentiation (PubMed:24676634). Has a critical role in the development of the urogenital tract, the eyes, and the CNS. {ECO:0000269 PubMed:24676634}. |
| Molecular Weight: | 44.7 kDa                                                                                                                                                                                                                                             |
| UniProt:          | <a href="#">Q02962</a>                                                                                                                                                                                                                               |
| Pathways:         | <a href="#">Carbohydrate Homeostasis</a> , <a href="#">Stem Cell Maintenance</a> , <a href="#">Tube Formation</a>                                                                                                                                    |

## Application Details

|                    |                                                                                                                                                         |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though. |
| 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                                                        |