

Datasheet for ABIN7561763
SPRY2 Protein (AA 1-315) (His tag)



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Overview

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| Quantity: | 1 mg |
| Target: | SPRY2 |
| Protein Characteristics: | AA 1-315 |
| Origin: | Mouse |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This SPRY2 protein is labelled with His tag. |
| Application: | Western Blotting (WB), SDS-PAGE (SDS) |

Product Details

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| Purpose: | Custom-made recombinat Spry2 Protein expressed in mammalien cells. |
| Sequence: | <p>MEARAQSGNG SQPLLQTAHD SGRQRGEPDP RDALTQQVHV LSLDQIRAIR NTNEYTEGPT</p> <p>VVPRPGLKPA PRPSTQHKHE RLHGLPEHRQ PPRLQPSQVH SSRAPLSRSI STVSSGSRSS</p> <p>TRTSTSSSSS EQRLGPSFS HGPAAADGII RVQPKSELKP GDVKPLSKDD LGLHAYRCED</p> <p>CGKCKCKECT YPRPLPSDWI CDKQCLCSAQ NVIDYGTVCV CVKGLFYHCS NDDNDCADN</p> <p>PCSCSQSHCC TRWSAMGVMS LFLPCLWCYL PAKGCLKLCQ GCYDRVNRPG CRCKNSNTVC</p> <p>CKVPTVPPRN FEKPT 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. In case you have a special request, please contact us.</p> |
| Characteristics: | <p>Key Benefits:</p> <ul style="list-style-type: none"> Made to order protein - from design to production - by highly experienced protein experts. |

Product Details

- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

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.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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.

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

Target Details

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| Target: | SPRY2 |
| Alternative Name: | Spry2 (SPRY2 Products) |
| Background: | <p>Protein sprouty homolog 2 (Spry-2),FUNCTION: Antagonist of fibroblast growth factor (FGF) pathways via inhibition of FGF-mediated phosphorylation of ERK1/2 (PubMed:29501879). Thereby acts as an antagonist of FGF-induced retinal lens fiber differentiation, may inhibit limb bud outgrowth and may negatively modulate respiratory organogenesis (PubMed:10498682, PubMed:10074434, PubMed:29501879). Inhibits TGFB-induced epithelial-to-mesenchymal transition in retinal lens epithelial cells (PubMed:25576668). Inhibits CBL/C-CBL-mediated EGFR ubiquitination (By similarity). {ECO:0000250 UniProtKB:O43597, ECO:0000269 PubMed:10074434, ECO:0000269 PubMed:10498682, ECO:0000269 PubMed:25576668, ECO:0000269 PubMed:29501879}.</p> |
| Molecular Weight: | 34.6 kDa |
| UniProt: | Q9QXV8 |
| Pathways: | EGFR Signaling Pathway , Sensory Perception of Sound , EGFR Downregulation |

Application Details

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| 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. |
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| Restrictions: | For Research Use only |
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Handling

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| 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 |