

Datasheet for ABIN7546311
SPRY4 Protein (AA 1-299) (His tag)



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Overview

Quantity:	1 mg
Target:	SPRY4
Protein Characteristics:	AA 1-299
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SPRY4 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat SPRY4 Protein expressed in mammalian cells.
Sequence:	MEPPIPQSAP LTPNSVMVQP LLDSRMSHSR LQHPLTILPI DQVKTSHVEN DYIDNPSLAL TTGPKRTRGG APELAPTPAR CDQDVTHHWI SFSGRPSSVS SSSSTSSDQR LLDHMAPPV ADQASPRAVR IQPKVVHCQP LDLKGPVPP ELDKHFLLECE ACGKCKCKEC ASPRTLPCSW VCNQECLCSA QTLVNYGTCM CLVQGFYHC TNEDDEGSCA DHPCCSRSN CCARWSFMGA LSVLPCLLC YLPATGCVKL AQRGYDRLRR PGCRCCKHTNS VICKAASGDA KTSRPDKPF 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.

Characteristics:	Key Benefits: <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.
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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.

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

Target:	SPRY4
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Alternative Name:	SPRY4 (SPRY4 Products)
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Background:	Protein sprouty homolog 4 (Spry-4),FUNCTION: Suppresses the insulin receptor and EGFR-transduced MAPK signaling pathway, but does not inhibit MAPK activation by a constitutively active mutant Ras (PubMed:12027893). Probably impairs the formation of GTP-Ras (PubMed:12027893). Inhibits Ras-independent, but not Ras-dependent, activation of RAF1 (PubMed:12717443). Represses integrin-mediated cell spreading via inhibition of TESK1-mediated phosphorylation of cofilin (PubMed:15584898). {ECO:0000269 PubMed:12027893, ECO:0000269 PubMed:12717443, ECO:0000269 PubMed:15584898}.
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Molecular Weight:	32.5 kDa
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UniProt:	Q9C004
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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.
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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