

Datasheet for ABIN7558007

SPRED3 Protein (AA 1-408) (His tag)



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Overview

Quantity:	1 mg
Target:	SPRED3
Protein Characteristics:	AA 1-408
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SPRED3 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Spred3 Protein expressed in mammalian cells.
Sequence:	<p>MVRVRAVMA RDDSSGGWLP VGGGGLSQVS VCRVRGARPE GGARQGHYVI HGERLRDQKT</p> <p>TLECTLRPGL VYNKVNPIFH HWSLGDCKFG LTFQSPAED EFQKSLAAL AALSRGSLTP</p> <p>SSSSSSSSPS QDTAETPCPL TSHVDSOSS SHSRQETPPT APIATVESAA AFPLATRPQR</p> <p>RRSSAQSYPP LLPFTGIPEP SESLAGAGSQ GWGSRGYEDY RRS GPPPPPL ALSTCVVRFA</p> <p>KTGALRGAAL GPPVSLPAPL TEAAPPAPPA RPPPGPGPTP APAKASPEAE EAARCVHCRA</p> <p>LFRRRADGRG GRCAEAPDPG RLLVRRLSCL WCAESLLYHC LSDAEGDFSD PCACEPGHPR</p> <p>PAARWAALAA LSLAVPCLCC YAPLRACHWV AARCGCAGCG GRHEEAAR 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:	Key Benefits:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- 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:	SPRED3
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Alternative Name:	Spred3 (SPRED3 Products)
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Background:	<p>Sprouty-related, EVH1 domain-containing protein 3 (Spred-3),FUNCTION: Tyrosine kinase substrate that inhibits growth-factor-mediated activation of MAP kinase (PubMed:12646235). Inhibits fibroblast growth factor (FGF)-induced retinal lens fiber differentiation, probably by inhibiting FGF-mediated phosphorylation of ERK1/2 (PubMed:29501879). Inhibits TGFβ-induced epithelial-to-mesenchymal transition in lens epithelial cells (PubMed:25576668). {ECO:0000269 PubMed:12646235, ECO:0000269 PubMed:25576668, ECO:0000269 PubMed:29501879}.</p>
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Molecular Weight:	42.8 kDa
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UniProt:	Q6P6N5
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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
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Application Details

	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