

Datasheet for ABIN7546308

SPRED2 Protein (AA 1-418) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	SPRED2
Protein Characteristics:	AA 1-418
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SPRED2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SPRED2 Protein expressed in mammalian cells.
Sequence:	<p>MTEETHPDDD SYIVRVKAVV MTRDDSSGGW FPQEGGGISR VGVCKVMHPE GNGRSGFLIH GERQKDKLVV LECYVRKDLV YTKANPTFHH WKVDNRKFGL TFQSPADARA FDRGVRKAIE DLIEGSTTSS STIHNEAELG DDDVFTTATD SSSNSSQKRE QPTRTISSPT SCEHRRITYL GHLHDSYPTD HYHLDQPMPR PYRQVSFPDD DEEIVRINPR EKIWMGTGYED YRHAPVRGKY PDPSEDADSS YVRFKGEVP KHDYNYPYVD SDFGLGEDP KGRGGSVIKT QPSRGKSRRR KEDGERSRCV YCRDMFNHEE NRRGHCQDAP DSVRTCIRRV SCMWCADSML YHCMSDPEGD YTDPCSCDTS DEKFCLRWMA LIALSFLAPC MCCYLPLRAC YHCGVMCRCC GGKHKAAA</p> <p>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.</p> <p>In case you have a special request, please contact us.</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

Characteristics:

Key Benefits:

- 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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade:

custom-made

Target Details

Target:

SPRED2

Alternative Name:

SPRED2 ([SPRED2 Products](#))

Background:

Sprouty-related, EVH1 domain-containing protein 2 (Spred-2),FUNCTION: Negatively regulates Ras signaling pathways and downstream activation of MAP kinases (PubMed:15683364, PubMed:34626534). Recruits and translocates NF1 to the cell membrane, thereby enabling NF1-dependent hydrolysis of active GTP-bound Ras to inactive GDP-bound Ras (PubMed:34626534). Inhibits fibroblast growth factor (FGF)-induced retinal lens fiber differentiation, probably by inhibiting FGF-mediated phosphorylation of ERK1/2 (By similarity). Inhibits TGF β -induced epithelial-to-mesenchymal transition in lens epithelial cells (By similarity). {ECO:0000250|UniProtKB:Q924S7, ECO:0000269|PubMed:15683364, ECO:0000269|PubMed:34626534}.

Molecular Weight:

47.6 kDa

UniProt:

[Q7Z698](#)

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
