

Datasheet for ABIN7546341

SPCS3 Protein (AA 1-180) (His tag)



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Overview

Quantity:	1 mg
Target:	SPCS3
Protein Characteristics:	AA 1-180
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SPCS3 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat SPCS3 Protein expressed in mammalian cells.
Sequence:	<p>MNTVLSRANS LFAFSLSVMA ALTFGCFITT AFKDRSVPVR LHVSRIMLKN VEDFTGPRER</p> <p>SDLGFITFDI TADLENIFDW NVKQLFLYLS AEYSTKNNAL NQVVLWDKIV LRGDNPKLLL</p> <p>KDMKTKYFFF DDGNGLKGNR NVTLTLSWNV VPNAGILPLV TGS GHVSVPF PDTYEITKSY</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>
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"> • 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.

Product Details

- 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:	SPCS3
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Alternative Name:	SPCS3 (SPCS3 Products)
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Background:	Signal peptidase complex subunit 3 (Microsomal signal peptidase 22/23 kDa subunit) (SPC22/23) (SPase 22/23 kDa subunit),FUNCTION: Essential component of the signal peptidase complex (SPC) which catalyzes the cleavage of N-terminal signal sequences from nascent proteins as they are translocated into the lumen of the endoplasmic reticulum (PubMed:27499293, PubMed:34388369). Essential for the SPC catalytic activity, possibly by stabilizing and positioning the active center of the complex close to the luminal surface (By similarity). {ECO:0000250 UniProtKB:Q12133, ECO:0000269 PubMed:27499293, ECO:0000269 PubMed:34388369}., FUNCTION: (Microbial infection) Plays an important role in virion production of flaviviruses such as West Nile virus, Japanese encephalitis virus, Dengue virus type 2 and Yellow Fever virus. {ECO:0000269 PubMed:27383988}.
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Molecular Weight:	20.3 kDa
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UniProt:	P61009
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Pathways:	Peptide Hormone Metabolism
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Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies
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Application Details

as well. 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