

Datasheet for ABIN7564631

SCARA5 Protein (AA 1-491) (His tag)



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Overview

Quantity:	1 mg
Target:	SCARA5
Protein Characteristics:	AA 1-491
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SCARA5 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Scara5 Protein expressed in mammalian cells.
Sequence:	<p>MDNKAMYLHT VSDRDNGSIF EEPFDGRSLS KLNLCEDGPC HKRRAGGCCT QLGSL SALKH</p> <p>AVLGLYLLVF LILVGIFILA VSRPRSSPDD LKALTRNVNR LNESLRDMQL RLLQAPLQAD</p> <p>LTEQVWKVQD ALQNQTDSL L ALAGLVQRLE GTLWGLHAQA AQTEQAMALL RDRTGQQSDS</p> <p>AQLELYQLQV ESNRSQLLLQ RHAGLLDGLA RRVGVLGEEL ADVGGALRGL NHSLSYDVAL</p> <p>HSTWLQDLQV LVSNASADTR RMRLVHMDME MQLKQELATL NVVTEDLR LK DWEHSIALRN</p> <p>ITLAKGPPGP KGDQGN EGKE GKPGSPGLPG SRGLPGERGD PGLPGPKGDD GKL GATGPMG</p> <p>MRGFKGDRGP KGEKGERGER AGDMDFTMIR LVNGSGPHQG RVEVFH DRRW GTVCDDGWDK</p> <p>KDGDVVC RML GFHGV EEVYR TARFGQGTGR IWMDDVNCKG TESSIFHCQF SKWGV TNCGH</p> <p>AEDAGVTCTV 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. 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

Product Details

isoform, please contact us regarding an individual offer.

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:

SCARA5

Alternative Name:

Scara5 ([SCARA5 Products](#))

Background:

Scavenger receptor class A member 5,FUNCTION: Ferritin receptor that mediates non-transferrin-dependent delivery of iron. Mediates cellular uptake of ferritin-bound iron by stimulating ferritin endocytosis from the cell surface with consequent iron delivery within the cell. Delivery of iron to cells by ferritin is required for the development of specific cell types, suggesting the existence of cell type-specific mechanisms of iron traffic in organogenesis, which alternatively utilize transferrin or non-transferrin iron delivery pathways. Ferritin mediates iron uptake in capsule cells of the developing kidney. Preferentially binds ferritin light chain (FTL) compared to heavy chain (FTH1). {ECO:0000255|HAMAP-Rule:MF_03070, ECO:0000269|PubMed:19154717}.

Molecular Weight:

53.7 kDa

UniProt:

[Q8K299](#)

Target Details

Pathways: [Transition Metal Ion Homeostasis](#)

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