

Datasheet for ABIN7555337
SCARA5 Protein (AA 1-495) (His tag)



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Overview

Quantity:	1 mg
Target:	SCARA5
Protein Characteristics:	AA 1-495
Origin:	Human
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>MENKAMYLHT VSDCDTSSIC EDSFDGRSLS KLNLCEDGPC HKRRASICCT QLGSLKALKH AVLGLYLLVF LILVGIFILA VSRPRSSPDD LKALTRNVNR LNESFRDLQL RLLQAPLQAD LTEQVWKVQD ALQNQSDSLL ALAGAVQRLE GALWGLQAQA VQTEQAVALL RDRTGQQSDT AQLELYQLQV ESNSSQLLLR RHAGLLDGLA RRVGILGEEL ADVGGVLRGL NHLSYDVAL HRTRLQDLRV LVSNAEDTR RLRLAHVGME LQKQELAML NAVTEDLRLK DWEHSIALRN ISLAKGPPGP KGDQGDEGKE GRPGIPGLPG LRGLPGERGT PGLPGPKGDD GKLGATGPMG MRGFKGDRGP KGEKGEKGDR AGDASGVEAP MMIRLVNGSG PHEGRVEVYH DRRWGTVCDD GWDKKDGDVV CRMLGFRGVE EVYRTARFGQ GTGRIWMDDV ACKGTEETIF RCSFSKWGVT NCGHAEDASV TCNRH 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 (Scavenger receptor hlg),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}.

Molecular Weight:

54.0 kDa

UniProt:

[Q6ZMJ2](#)

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