

Datasheet for ABIN7551675
S100A13 Protein (AA 1-98) (His tag)



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Overview

Quantity:	1 mg
Target:	S100A13
Protein Characteristics:	AA 1-98
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This S100A13 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant S100A13 Protein expressed in mammalian cells.
Sequence:	MAAEPLTELE ESIETVWTF FTFARQEGRK DSLSVNEFKE LVTQQLPHLL KDVGSLDEKM KSLDVNQDSE LKFNEYWRLI GELAKEIRKK KDLKIRKK 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.
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.
Characteristics:	Key Benefits: <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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	S100A13
Alternative Name:	S100A13 (S100A13 Products)
Background:	Protein S100-A13 (S100 calcium-binding protein A13),FUNCTION: Plays a role in the export of proteins that lack a signal peptide and are secreted by an alternative pathway. Binds two calcium ions per subunit. Binds one copper ion. Binding of one copper ion does not interfere with calcium binding. Required for the copper-dependent stress-induced export of IL1A and FGF1. The calcium-free protein binds to lipid vesicles containing phosphatidylserine, but not to vesicles containing phosphatidylcholine (By similarity). {ECO:0000250 UniProtKB:P97352, ECO:0000269 PubMed:12746488, ECO:0000269 PubMed:20863990}.
Molecular Weight:	11.5 kDa
UniProt:	Q99584
Pathways:	S100 Proteins

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