Datasheet for ABIN7544872

Tetraspanin 14 Protein (TSPAN14) (AA 1-270) (His tag)

Go to Product page

Overview

Quantity:	1 mg
Target:	Tetraspanin 14 (TSPAN14)
Protein Characteristics:	AA 1-270
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Tetraspanin 14 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant TSPAN14 Protein expressed in mammalian cells.
Sequence:	MHYYRYSNAK VSCWYKYLLF SYNIIFWLAG VVFLGVGLWA WSEKGVLSDL TKVTRMHGID PVVLVLMVGV VMFTLGFAGC VGALRENICL LNFFCGTIVL IFFLELAVAV LAFLFQDWVR DRFREFFESN IKSYRDDIDL QNLIDSLQKA NQCCGAYGPE DWDLNVYFNC SGASYSREKC GVPFSCCVPD PAQKVVNTQC GYDVRIQLKS KWDESIFTKG CIQALESWLP RNIYIVAGVF IAISLLQIFG IFLARTLISD IEAVKAGHHF **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: • Made to order protein - from design to production - by highly experienced protein experts.

Product Details

	• 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:	Tetraspanin 14 (TSPAN14)
Alternative Name:	TSPAN14 (TSPAN14 Products)
Background:	Tetraspanin-14 (Tspan-14) (DC-TM4F2) (Transmembrane 4 superfamily member 14),FUNCTION: Part of TspanC8 subgroup, composed of 6 members that interact with the transmembrane metalloprotease ADAM10. This interaction is required for ADAM10 exit from the endoplasmic reticulum and for enzymatic maturation and trafficking to the cell surface as well as substrate specificity. Different TspanC8/ADAM10 complexes have distinct substrates (PubMed:26686862, PubMed:23035126, PubMed:26668317, PubMed:37516108). Negatively regulates ADAM10-mediated cleavage of GP6 (By similarity). Promotes ADAM10-mediated cleavage of CDH5 (By similarity). {ECO:0000250|UniProtKB:Q8QZY6, ECO:0000269|PubMed:23035126, ECO:0000269|PubMed:26668317, ECO:0000269|PubMed:26686862, ECO:0000269|PubMed:37516108}.
Molecular Weight:	30.7 kDa
UniProt:	Q8NG11

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

