

Datasheet for ABIN7556598

Tetraspanin 5 Protein (TSPAN5) (AA 1-268) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	Tetraspanin 5 (TSPAN5)
Protein Characteristics:	AA 1-268
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Tetraspanin 5 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Tspan5 Protein expressed in mammalian cells.
Sequence:	MSGKHYKGPE VSCCIKYFIF GFNVIFWFLG ITFLGIGLWA WNEKGVLSNI SSITDLGGFD PVWFLFLVGG VMFILGFAGC IGALRENTFL LKFFSVFLGI IFFLELTAGV LAFVFKDWIK DQLYFFINNN IRAYRDDIDL QNLIDFTQEY WCCGAFGAD DWNLNIYFNC TDSNASRERC GVPFSCCTKD PAEDVINTQC GYDARQKPEV DQQIVIYTKG CVPQFEKWLQ DNLTIVAGIF IGIALLQIFG ICLAQNLVSD IEAVRASW 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.

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 5 (TSPAN5)
Alternative Name:	Tspan5 (TSPAN5 Products)
Background:	<p>Tetraspanin-5 (Tspan-5) (Tetraspan NET-4) (Transmembrane 4 superfamily member 9),FUNCTION: Regulates ADAM10 maturation and trafficking to the cell surface (PubMed:23035126). Promotes ADAM10-mediated cleavage of CD44 (By similarity). {ECO:0000250 UniProtKB:P62079}., 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:23035126). Promotes ADAM10-mediated cleavage of CD44. Seems to regulate VE-cadherin expression in endothelial cells probably through interaction with ADAM10, promoting leukocyte transmigration (By similarity). {ECO:0000250 UniProtKB:P62079, ECO:0000269 PubMed:23035126}.</p>
Molecular Weight:	30.3 kDa
UniProt:	P62080

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
