

Datasheet for ABIN7557322

Tricellulin Protein (MARVELD2) (AA 1-555) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	Tricellulin (MARVELD2)
Protein Characteristics:	AA 1-555
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Tricellulin protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Marvel2 Protein expressed in mammalian cells.
Sequence:	<p>MSSSDARSRI RDRGYSEVPR DTSCPDGTIR TFQSLHSSEL AVSADPLPPP PLPLQPPFGP SFYSSDTEEP AVAPDLKPVR RFVPDSWKNF FRGKKKDPEW DNPVSDIRYI SDGVECSPPA SPARANHHYPY KDPSRGSQGT FNSQHEADAM FAHDPYASLD RRTQTARTYS EKVEEYNLRY AYMKSWAGLL RILGVVELLL GAGVFACVTA YIHKDNEWYN LFGYTQPYGM GGLGSLGNTY GGYYYS GPKT PFLVVAGLA WITTIILVL GMSMYRTIL LDSNWWPLTE FGVNVALFIL YMAAAIVYVN DTNRGGLCY Y PLFNTPMNAM FCRVEGGQIA AMIFLVMTI VYLVSALVCL KLWRHEAARR HREFLEQQEI NDPSLSSKRK MCEAAISDRQ RDQEVNVKDL RTTTKMTPEL LSGHIPPGHI PKPIVMPDYV AKYPVIQTDD DRERYKAVFQ DQFSEYKELS AEVQAILRKF DELDTVMSRL PHHSENREQH ERISRIHEEF RKKKNDPSFL EKKERC DYLK NKLSHIKQRI QEYDKVMNWD TQGY 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>

Product Details

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.
- 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: Tricellulin (MARVELD2)

Alternative Name: Marveld2 ([MARVELD2 Products](#))

Background: MARVEL domain-containing protein 2 (Tricellulin),FUNCTION: Plays a role in the formation of tricellular tight junctions and of epithelial barriers (PubMed:16365161, PubMed:21245199). Required for normal hearing via its role in the separation of the endolymphatic and perilymphatic spaces of the organ of Corti in the inner ear, and for normal survival of hair cells in the organ of Corti (PubMed:26677943). {ECO:0000269|PubMed:16365161, ECO:0000269|PubMed:21245199, ECO:0000269|PubMed:26677943}.

Molecular Weight: 63.7 kDa

UniProt: [Q3UZP0](#)

Pathways: [Sensory Perception of Sound](#), [Cell-Cell Junction Organization](#)

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
