

Datasheet for ABIN7559589

Mucolin 2 (MCOLN2) (AA 1-566) protein (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	Mucolin 2 (MCOLN2)
Protein Characteristics:	AA 1-566
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Mcoln2 Protein expressed in mammalian cells.
Sequence:	MPGDEETLDL PAWNRVPLDT WGPHRSAMA SLDSEVREEC LREDLKFYFM SPCEKYRARR QIPWKLGLQI LKIVMVTTLQ VRFGLSNQLV VAFKEDNTVA FKHLFLKGFV GVEDDDYSCS IYTQENTYES IFFAIKQYRH LKNISLATLG YGESEDNRTG LKVCCKQHYKT GAMFSSNETL NIDSDIETDC IHLDLQVLTTEPEDWAQTSF FRLDFYRLVQ VDISFALKGI DLQAVHSREI PDCYLFQNTI TFDNTAHSKG IKIYLNSEAN IEECKNMNIS GSTQRSTHYL LVFDVFMVIM CLASLILCTR SIVLALRLRK RFLNFFLEKY KQRVCGADQW EFNWGWYVLV TISDLMTIIG SILKMEIKAK KLTNYDVCSI LLGTSTLFWV VGVIRYLYGF QTYNVLILTM QASLPKVLRF CACAGMIYLG YTFCGWIVLG PYHEKFENLN IVAECLFSLV NGDDMFATFA QIQQKSILVW LFSRLYLYSF ISLFIYMVLS LFIALITDSY HTIKKYQQHG FPETDLQKFL KESGSKDGYQ KQPSALLSCL CCLRRRRSND HLILID Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein

Product Details

could make another tag necessary. In case you have a special request, please contact us.

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, Western Blot

Grade:

custom-made

Target Details

Target:

Mucolipin 2 (MCOLN2)

Alternative Name:

Mcoln2 ([MCOLN2 Products](#))

Background:

Mucolipin-2 (Transient receptor potential channel mucolipin 2) (TRPML2),FUNCTION: Nonselective cation channel probably playing a role in the regulation of membrane trafficking events. Acts as a Ca(2+)-permeable cation channel with inwardly rectifying activity (PubMed:19763610). May activate ARF6 and be involved in the trafficking of GPI-anchored cargo proteins to the cell surface via the ARF6-regulated recycling pathway (By similarity). May play a role in immune processes. In adaptive immunity, TRPML2 and TRPML1 may play redundant roles in the function of the specialized lysosomes of B cells (PubMed:17050035). In the innate immune response, may play a role in the regulation of chemokine secretion and macrophage migration (PubMed:26432893). Through a possible and probably tissue-specific heteromerization with MCOLN1 may be at least in part involved in many lysosome-dependent cellular events. {ECO:0000250|UniProtKB:Q8IZK6, ECO:0000269|PubMed:17050035, ECO:0000269|PubMed:19763610, ECO:0000269|PubMed:22753890,

Target Details

ECO:0000269|PubMed:26432893, ECO:0000305}.

Molecular Weight: 65.5 kDa

UniProt: [Q8K595](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. 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