

Datasheet for ABIN7549340
MFSD8 Protein (AA 1-518) (His tag)



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Overview

Quantity:	1 mg
Target:	MFSD8
Protein Characteristics:	AA 1-518
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MFSD8 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant MFSD8 Protein expressed in mammalian cells.
Sequence:	MAGLRNESEQ EPLLGDTPGS REWDILETEE HYKSRWRSIR ILYLTMFLSS VGFSVVMMSI WPYLQKIDPT ADTSFLGWVI ASYSLGQMVA SPIFGLWSNY RPRKEPLIVS ILISVAANCL YAYLHIPASH NKYYMLVARG LLGIGAGNVA VRSYTAGAT SLQERTSSMA NISMQUALGF ILGPVFQTCF TFLGEGVTV DVIKLQINMY TTPVLLSAFL GILNIILILA ILREHRVDDS GRQCKSINFE EASTDEAQVP QGNIDQVAVV AINVLFVTL FIFALFETII TPLTMDMYAW TQEQAVLYNG IILAALGVEA VVIFLGVKLL SKKIGERAIL LGGLIVVWVG FFILLPWGNQ FPKIQWEDLH NNSIPNTTFG EIIIGLWKSP MEDDNERPTG CSIEQAWCLY TPVIHLAQL TSAVLIGLGY PVCNLMSYTL YSKILGPKPQ GVYMGWLTAS GSGARILGPM FISQVYAHWG PRWAFSLVCG IIVLTITLLG VVYKRLIALS VRYGRIQE 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.

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: MFSD8

Alternative Name: MFSD8 ([MFSD8 Products](#))

Background: Major facilitator superfamily domain-containing protein 8 (Ceroid-lipofuscinosis neuronal protein 7),FUNCTION: Outward-rectifying chloride channel involved in endolysosomal chloride homeostasis, membrane fusion and function. Conducts chloride currents up to hundreds of picoamperes. Regulates lysosomal calcium content by reducing the lysosomal membrane potential, thereby activating TRPML1 channel and further release of lysosomal calcium ions. Regulates the pH in endolysosomal compartments and may contribute to progressive acidification from endosome to lysosome. Permeable to other halides such as iodide and fluoride ions. {ECO:0000269|PubMed:34910516}.

Molecular Weight: 57.6 kDa

UniProt: [Q8NHS3](#)

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