

Datasheet for ABIN7559823

SLC17A9 Protein (AA 1-447) (His tag)



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Overview

Quantity:	1 mg
Target:	SLC17A9
Protein Characteristics:	AA 1-447
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC17A9 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Slc17a9 Protein expressed in mammalien cells.
Sequence:	<p>MPSQRSSLMQ PIPEETRKTP SAAAEDTRWS RPECQAWTGI LLLGTCLLYC ARVTMPVCTV AMSQDFGWNK KEAGIVLSSF FWGYCLTQVV GGHLGDRIGG EKVILLSASA WGFITVTTPL LAHLGSGHLA FLTFSRILTG LLQGVYFPAL TSLLSQKVQE SERAFTYSTV GAGSQVGTLV TGGVGSVLLD QCGWQSVFYF SGGLTLLWAY YVYRYLLNEK DLVLALGFLA QGLPVTKPSK VPWRQLFRKA SVWAAICSQL CSACSFILL SWLPTFFKET FPNSKGWVFN VVPWMLAIPA SLFSGFISDR LISQGYRVIT VRKFMQVMGL GLSSIFALCL GHTTSFLKAM IFASASIGFQ TFNHSGISVN IQDLAPSCAG FLFGVANTAG ALAGVVGVCV SGYLIETTGS WTCVFHLVAI ISNLGLGTFL VFGKAQRVDL VPTHEDL</p> <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>
Characteristics:	Key Benefits:

Product Details

- 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: SLC17A9

Alternative Name: Slc17a9 ([SLC17A9 Products](#))

Background: Voltage-gated purine nucleotide uniporter SLC17A9 (Solute carrier family 17 member 9) (Vesicular nucleotide transporter) (VNUT),FUNCTION: Voltage-gated ATP nucleotide uniporter that can also transport the purine nucleotides ADP and GTP. Uses the membrane potential as the driving force to control ATP accumulation in lysosomes and secretory vesicles (PubMed:23876310, PubMed:24962569, PubMed:27477609). By controlling ATP storage in lysosomes, regulates ATP-dependent proteins of these organelles (PubMed:23832620, PubMed:24962569, PubMed:27477609). Also indirectly regulates the exocytosis of ATP through its import into lysosomes in astrocytes and secretory vesicles such as adrenal chromaffin granules, mucin granules and synaptic vesicles (By similarity). {ECO:0000250|UniProtKB:Q9BYT1, ECO:0000269|PubMed:23832620, ECO:0000269|PubMed:23876310, ECO:0000269|PubMed:24962569, ECO:0000269|PubMed:27477609}.

Molecular Weight: 48.5 kDa

UniProt: [Q8VCL5](#)

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.
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Restrictions:	For Research Use only
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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