

Datasheet for ABIN7557453

SLC39A12 Protein (AA 1-689) (His tag)



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Overview

Quantity:	1 mg
Target:	SLC39A12
Protein Characteristics:	AA 1-689
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC39A12 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Slc39a12 Protein expressed in mammalian cells.
Sequence:	<p> MCFWTNLSVW MILLSHSLSL VSSTETGKTL TQNNRAGSQ GLLEVLRLVS AGDHWLSLNHP QSLIKILLER TGCPQRDWT QGDCKLCLEA DALLTAGGN LEDELREEVV QRVSLLLLYY IIHQEEICSS KLNMSNREYE FYLHSLGLR QDEDSYFLSE KETDDILAFT RKYFGTSSSQ CMETKILQRE SGIQGSNGAD EKTLPQLAAT IIALSLQGVC LGRKALPSPD DFTEYIFSFL NSTNTLHLSE IEQLLNMLTT RRTCAKEDKY LHQYQRKQNT EEHSLRDPKT STAMDKESDD HSPSWDQACF SARQLVEIFL QNHSSLSISK EDFKQLSPGI IQLLSCSCQ MPKDQQAQPP PTTLEKYGYS TVAVTLLTLG SMLGTALVLF HSCEENYSLI LQLFVGLAVG TLSGDALLHL IPQVLGLHKQ EAEFGHFHES QSPIWKLLGL LGGIHGFFLI EKCIFILLVSP NTKGLPLVNE HVGHTHHLGL NPELNDQSSG GKSISTIQLK GPEDSQTTVL PIGNVPASNR NGKTISLLAI MILVGDSLHN FADGLVIGTA FSSSLESGVT TTAILCHEI PHEMGDFAVL LSSGLSVRTA ILMNFLSALT AFAGLYIGLS VSADPRVQDW ILTVTAGMFL YLSLVGMLPE MTHVQTQRPW </p>

MTFLLQNVGL VLGWFSLLLL AVYEQNIKI **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.**

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	SLC39A12
Alternative Name:	Slc39a12 (SLC39A12 Products)
Background:	<p>Zinc transporter ZIP12 (Solute carrier family 39 member 12) (Zrt- and Irt-like protein 12) (ZIP-12),FUNCTION: Uniporter that promotes Zn(2+) import from the extracellular space to the cytoplasm across the cell membrane (PubMed:23716681, PubMed:35065654). The transport activity is temperature dependent (PubMed:23716681). May play a role in neurulation and neurite extension (PubMed:23716681). May play a key role in maintaining intracellular zinc content at levels that reduce the inhibitory effects of rises in oxidative stress on spermatogonia and spermatozoa viability during spermatogenesis (PubMed:35065654).</p> <p>{ECO:0000269 PubMed:23716681, ECO:0000269 PubMed:35065654}.</p>
Molecular Weight:	76.2 kDa

Target Details

UniProt: [Q5FWH7](#)

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