

Datasheet for ABIN7558543

SLC16A12 Protein (AA 1-486) (His tag)



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Overview

Quantity:	1 mg
Target:	SLC16A12
Protein Characteristics:	AA 1-486
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC16A12 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Slc16a12 Protein expressed in mammalian cells.
Sequence:	<p>MTKITRVSLA SPPDGGWGWM IVAGCFLVTI CTRAVTRCIS IFFVEFQTYF AQDYSQTAWI HSIVDCMTML CAPLGSVVSN QLSCQAGIML GGLLASTGFI LGSFATSLKH LYLSLGVLTG LGFALCYSPA IAMVGKYFSR RKALAYGIAM SGSGIGTFIL APVVQLLIEQ FSWRGALLIL GGFVLNLCVC GALMRPITLK EDRSVPEKNH NRESQREDCK QASPYSPLTK ECTETRLCCS LQQEYGFLLM SDFVVLAVSV LFMAYGCSPL FVYLVYPYALS VGVSHHQAALF LMSILGVIDI VGNITFGWLT DRRCLKNYRY VCYLFAVALD GLCYLCLPML QTFPLLVPFS CTFGYFDGAY VTLPVVTAE IVGTTSLSSA LGVVYFLHAV PYLVSPPIAG WLVDTTGSYT AAFLLCGFAM IFSSILLGFV RIVKRMKRTQ VPFPVKDSDP KLQLWTNGSV AYSVARELDQ KDEEPLPKAR SGCNLT</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>

Product Details

Characteristics:	<div>Key Benefits:</div> <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
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Grade:	custom-made
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Target Details

Target:	SLC16A12
Alternative Name:	Slc16a12 (SLC16A12 Products)
Background:	<p>Monocarboxylate transporter 12 (MCT 12) (Solute carrier family 16 member 12),FUNCTION: Functions as a transporter for creatine and as well for its precursor guanidinoacetate. Transport of creatine and GAA is independent of resting membrane potential and extracellular Na(+), Cl(-), or pH . Contributes to the process of creatine biosynthesis and distribution. {ECO:0000250 UniProtKB:Q6ZSM3}.</p>
Molecular Weight:	53.2 kDa
UniProt:	Q8BGC3

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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Application Details

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