

Datasheet for ABIN7556718

SLC7A3 Protein (AA 1-618) (His tag)



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Overview

Quantity:	1 mg
Target:	SLC7A3
Protein Characteristics:	AA 1-618
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC7A3 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Slc7a3 Protein expressed in mammalian cells.
Sequence:	<p>MLWQALRRFG QKLVRRLVLE LGMGETRLAR CLSTLDLVAL GVGSTLGAGV YVLAGEVAKD</p> <p>KAGPSIVICF LVAALSSVLA GLCYAEFGAR VPGSGSAYLY SYVTVGELWA FTTGWNILIS</p> <p>YVIGTASVAR AWSSAFDNLI GNHISRTLKG TILLKMPHVL AEYPDFFALA LVLLLTGLLV</p> <p>LGASKSALVT KVFTGMNLLV LSFVIISGFI KGELRNWKLK KEDYCLTMSE SNGTCSLDMS</p> <p>GSGGFMPFGL EGILRGAATC FYAFVGFDIC ATTGEEAQNP QRSIPMGIVI SMFICFLAYF</p> <p>GVSSALTLMM PYYKLHPESP LPEAFSYVGW EPARYLVAIG SLCALSTSLL GSMFPMPRVM</p> <p>YSMAEDGLLF RVLAKVHSVT HIPIVATLVS GVIAAFMAFL FELTDLVDLM SIGTLLAHS</p> <p>VSICVLILRY QPDQEMKSVE EEMELQEETL EAEKLTQAL FCPVNSIPTL LSGRVVYVCS</p> <p>SLLAALLTVL CLVLTWWTTP LRSGDPVWVT VVLLILGLIL AISGVIWRQP QNRTPLHFKV</p> <p>PAVPLLPLVS IFVNVYLMMQ MTAGTWARFG IWMLIGFAIY FGYGIQHSMA EVKNHQTLPK</p> <p>TRAQTIDLDL TTSCVHSI Sequence without tag. The proposed Purification-Tag is based on</p>

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:	SLC7A3
Alternative Name:	Slc7a3 (SLC7A3 Products)
Background:	Cationic amino acid transporter 3 (CAT-3) (CAT3) (Cationic amino acid transporter y+) (Solute carrier family 7 member 3),FUNCTION: Uniporter that mediates the uptake of cationic L-amino acids such as L-arginine, L-lysine and L-ornithine (PubMed:9334265). The transport is sodium ions- and pH -independent, moderately trans-stimulated and is mediated by passive diffusion (PubMed:9334265). {ECO:0000269 PubMed:9334265}.
Molecular Weight:	67.5 kDa
UniProt:	P70423

Application Details

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

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