

Datasheet for ABIN7553557
SLC7A1 Protein (AA 1-629) (His tag)



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Overview

Quantity:	1 mg
Target:	SLC7A1
Protein Characteristics:	AA 1-629
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC7A1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SLC7A1 Protein expressed in mammalian cells.
Sequence:	MGCKVLLNIG QQMLRRKVVD CSREETRLSR CLNTFDLVAL GVGSTLGAGV YVLAGAVARE NAGPAIVISF LIAALASVLA GLCYGEFGAR VPKTGSAYLY SYVTVGELWA FITGWNLILS YIIGTSSVAR AWSATFDELI GRPIGEFSRT HMTLNAPGVL AENPDIFAVI IILILTGLLT LGVKESAMVN KIFTCINLV LGFIMVSGFV KGSVKNWQLT EEDFGNTSGR LCLNNDTKEG KPGVGGFMPF GFSGVLSGAA TCFYAFVGF D CIATTGEEVK NPQKAIPVGI VASLLICFIA YFGVSAALTL MPPYFCLDNN SPLPDAFKHV GWEGAKYAVA VGSLCALSAS LLGSMFPMMPR VIYAMAEDGL LFKFLANVND RTKTPIIATL ASGAVAAVMA FLFDLKDLDV LMSIGTLLAY SLVAACVLVL RYQPEQPNLV YQMASTDEL DPADQNELAS TNDSQLGFLP EAEMFSLKTI LSPKNMEPSK ISGLIVNIST SLIAVLIITF CIVTVLGREA LTKGALWAVF LLAGSALLCA VVTGVIWRQP ESKTKLSFKV PFLPVLPILS IFVNVYLMQ LDQGTWVRF VVWMLIGFIIY FGYGLWHSEE ASLDADQART PDGNLDQCK Sequence without tag. The proposed Purification- Tag is based on experiences with the expression system, a different complexity of the

Product Details

protein could make another tag necessary. In case you have a special request, please contact us.

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: SLC7A1

Alternative Name: SLC7A1 ([SLC7A1 Products](#))

Background: High affinity cationic amino acid transporter 1 (CAT-1) (CAT1) (Ecotropic retroviral leukemia receptor homolog) (Ecotropic retrovirus receptor homolog) (Solute carrier family 7 member 1) (System Y+ basic amino acid transporter),FUNCTION: High-affinity, low capacity permease involved in the transport of the cationic amino acids (arginine, lysine and ornithine) in non-hepatic tissues. {ECO:0000269|PubMed:10485994, ECO:0000269|PubMed:9174363}.

Molecular Weight: 67.6 kDa

UniProt: [P30825](#)

Pathways: [Dicarboxylic Acid Transport](#)

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
