

Datasheet for ABIN7545955

Solute Carrier Family 7 (Anionic Amino Acid Transporter), Member 13 (SLC7A13) (AA 1-470) protein (His tag)



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Overview

Quantity:	1 mg
Target:	Solute Carrier Family 7 (Anionic Amino Acid Transporter), Member 13 (SLC7A13)
Protein Characteristics:	AA 1-470
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag

Product Details

Purpose:	Custom-made recombinant SLC7A13 Protein expressed in mammalian cells.
Sequence:	MDRGEKIQLK RVFGYWVGTS FLLINIIGAG IFVSPKGVLA YSCMNVGVSL CVWAGCAILA MTSTLCSAEI SISFPCSGAQ YYFLKRYFGS TVAFNLWTS LFLGSGVWAG QALLLAEYSI QPFFPSCSVP KLPKKCLALA MLWIVGILTS RGVKEVTWLQ IASSVLKVSI LSFISLTGVV FLIRGKKENV ERFQNAFDAE LPDISHLIQA IFQGYFAYSG GACFTLIAGE LKKPRTTIPK CIFTALPLVT VVYLLVNISY LTVLTPREIL SSDAVAITWA DRAFPSLAWI MPFAISTSLF SNLLISIFKS SRPIYLASQE GQLPLLNTL NSHSSPFTAV LLLVTLGSLA IILTSLIDLI NYIFFTGSLW SILLMIGILR RRYQEPNLSI PYKVFLSFPL ATIVIDVGLV VIPLVKSPNV HYVYVLLLVL SGLLFYIPLI HFKIRLAWFE KMTCYLQLLF NICLPDVSEE 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.
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.

Product Details

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:

Solute Carrier Family 7 (Anionic Amino Acid Transporter), Member 13 (SLC7A13)

Alternative Name:

SLC7A13 ([SLC7A13 Products](#))

Background:

Solute carrier family 7 member 13 (Sodium-independent aspartate/glutamate transporter 1) (X-amino acid transporter 2),FUNCTION: Associates with SLC3A1/rBAT to form a functional heterodimeric complex that transports anionic and neutral amino acids across the apical plasma membrane of renal epithelium. Preferentially mediates exchange transport, but can also operate via facilitated diffusion. May act as a major transporter for L-cystine in late proximal tubules, ensuring its reabsorption from the luminal fluid in exchange for cytosolic L-glutamate or L-aspartate. {ECO:0000250|UniProtKB:Q91WN3}.

Molecular Weight:

52.1 kDa

UniProt:

[Q8TCU3](#)

Application Details

Application Notes:

We expect the protein to work for functional studies. As the protein has not been tested for

Application Details

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
