

Datasheet for ABIN7545101
SLC32A1 Protein (AA 1-525) (His tag)



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Overview

Quantity:	1 mg
Target:	SLC32A1
Protein Characteristics:	AA 1-525
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC32A1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SLC32A1 Protein expressed in mammalian cells.
Sequence:	<p>MATLLRSKLS NVATSVSNKS QAKMSGMFAR MGFQAATDEE AVGFAHCDDL DFEHRQGLQM DILKAEGEPC GDEGAEAPVE GDIHYQRGSG APLPPSGSKD QVGGGGEFGG HDKPKITAW AGWNVNTNAIQ GMFVLGLPYA ILHGGYLGFL LIIFAAVVCC YTGKILIACL YEENEDGEVV RVRDSYVAIA NACCAPRFPT LGGRVVNVAQ IIELVMTCIL YVVVSGNLMY NSFPGLPVSQ KWSIIATAV LLPCAFLKNL KAVSKFSLC TLAHFVINIL VIAYCLSRAR DWAWEKVKFY IDVKKFPISI GIIVFSYTSQ IFLPSLEGNM QQPSEFHCMM NWTTHAACVL KGLFALVAYL TWADETKEVI TDNLPGSIRA VVNIFLVAKA LLSYPLPFFA AVEVLEKSLF QEGSRAFFPA CYSGDGRLKS WGLTLRCALV VFTLLMAIYV PHFALLMGLT GSLTGAGLCF LLPSLFHLRL LWRKLLWHQV FFDVAIFVIG GICSVSGFVH SLEGLIEAYR TNAED 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

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: SLC32A1

Alternative Name: SLC32A1 ([SLC32A1 Products](#))

Background: Vesicular inhibitory amino acid transporter (GABA and glycine transporter) (Solute carrier family 32 member 1) (Vesicular GABA transporter) (hVIAAT),FUNCTION: Antiporter that exchanges vesicular protons for cytosolic 4-aminobutanoate or to a lesser extend glycine, thus allowing their secretion from nerve terminals. The transport is equally dependent on the chemical and electrical components of the proton gradient (By similarity). May also transport beta-alanine (By similarity). Acidification of GABAergic synaptic vesicles is a prerequisite for 4-aminobutanoate uptake (By similarity). {ECO:0000250|UniProtKB:O35458, ECO:0000250|UniProtKB:O35633}.

Molecular Weight: 57.4 kDa

UniProt: [Q9H598](#)

Pathways: [Proton 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
