

Datasheet for ABIN7545882
SLC6A12 Protein (AA 1-614) (His tag)



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Overview

Quantity:	1 mg
Target:	SLC6A12
Protein Characteristics:	AA 1-614
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC6A12 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SLC6A12 Protein expressed in mammalian cells.
Sequence:	MDGKVAVQEC GPPAVSWVPE EGEKLDQEDE DQVKDRGQWT NKMEFVLSVA GEIIGLGNVW RFPYLCYKNG GGAFFIPYFI FFFVCGIPVF FLEVALGQYT SQGSVTAWRK ICPLFQGIGL ASVVIESYLN VYYIIILAWA LFYLFSSFTS ELPWTTCCNNF WNTHECTDFL NHSGAGTVTP FENFTSPVME FWERRVLGIT SGIHDLGSLR WELALCLLLA WVICYFCIWK GVKSTGKVVY FTATFPYLML VILLIRGVTL PGAYQGIYY LKPDFRLKD PQVWMDAGTQ IFFSFAICQG CLTALGSYNK YHNNCYKDCI ALCFLNSATS FVAGFVFSI LGFMSQEQGV PISEVAESGP GLAFIAFPA VTMMPLSQLW SCLFFIMLIF LGLDSQFVCV ECLVTASIDM FPRQLRKSGR RELLITIAV MCYLIGLFLV TEGGMYIFQL FDYYASSGIC LLFSLFEVV CISWVYGADR FYDNIEDMIG YRPWPLVKIS WLFLTPGLCL ATFLFSLSKY TPLKYNNVVV YPPWGYSIGW FLALSSMVCV PLFVVITLLK TRGPFRKRLR QLITPDSSLP QPKQHPCLDG SAGRNFGPSP TREGLIAGEK ETHL Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make

Product Details

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: SLC6A12

Alternative Name: SLC6A12 ([SLC6A12 Products](#))

Background: Sodium- and chloride-dependent betaine transporter (BGT-1) (Na⁽⁺⁾/Cl⁽⁻⁾ betaine/GABA transporter) (Solute carrier family 6 member 12),FUNCTION: Transporter that mediates cellular uptake of betaine and GABA in a sodium- and chloride-dependent process (PubMed:7589472). May have a role in regulation of GABAergic transmission in the brain through the reuptake of GABA into presynaptic terminals, as well as in osmotic regulation. Probably also involved in renal and hepatic osmotic regulation (By similarity). {ECO:0000250|UniProtKB:P31651, ECO:0000269|PubMed:7589472}.

Molecular Weight: 69.4 kDa

UniProt: [P48065](#)

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
