

Datasheet for ABIN7555293

SLC12A6 Protein (AA 1-1150) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	SLC12A6
Protein Characteristics:	AA 1-1150
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC12A6 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat SLC12A6 Protein expressed in mammalien cells.
Sequence:	MHPPETTTKM ASVRFMVTPT KIDDIPGLSD TSPDLSSRSS SRVRFSSRES VPETSRSEPM SEMSGATTSL ATVALDPPSD RTSHPDQVIE DLSQNSITGE HSQLDDGHK KARNAYLNNS NYEEDDEYFD KNLALFEEEM DTRPKVSSLL NRMANYTNLT QGAKEHEEAE NITEGKKKPT KTPQMGTFMG VYLPCLQNI FGVILFLRLTW VVG TAGVLQA FAIVLICCCC TMLTAISMSA IATNGVVPAG GSYFMISRAL GPEFGGAVGL CFYLGTTFAA AMYILGAI EI FLVYIVPRAA IFHSDDALKE SAAMLNNMRV YGTAFLVLMV LVVFIGVRYV NKFASLFLAC VIVSILAIYA GAIKSSFAPP HFPVCMLG NR TLSSRHIDVC SKTKEINNMT VPSKLWGFFC NSSQFFNATC DEYFVHNNVT SIQGIPGLAS GIITENLWSN YLPKGEIEK PSAKSSDVLG SLNHEYVLVD ITTSFTLLVG IFFPSVTGIM AGSNRSGDLK DAQKSIPIGT ILAILTTSFV YLSNVVLFGA CIEGVVLRDK FGDAVKGNLV VGTLSWSPSPW VIVIGSFFST CGAGLQSLTG APRLLQAIK DNIIPFLRVF GHSKANGEPT WALLLTAAIA ELGILIASLD LVAPILSMFF LMCYLFVNLA

Product Details

CALQTLLRTP NWRPRFRYYH WALSFMGMSI CLALMFISSW YYAIVAMVIA GMIYKYIEYQ
GAEKEWGDGI RGLSLSAARF ALLRLEEGPP HTKNWRPQLL VLLKLEDEDLH VKHPRLLTFA
SQLKAGKGLT IVGSVIVGNF LENYGEALAA EQTIKHLMEA EKVKGFCQLV VAAKLREGIS
HLIQSCGLGG MKHNTVVMGW PNGWRQSEDA RAWKTFIGTV RVTTAAHLAL LVAKNISFFP
SNVEQFSEGN IDVWWIVHDG GMLMLLPFL KQHKVWRKCS IRIFTVAQLE DNSIQMKKDL
ATFLYHLRIE AEVEVEMHD SDISAYTYER TLMMEQRSQM LRHMRLSKTE RDREAQLVKD
RNSMLRLTSI GSDEDEETET YQEKVHMTWT KDKYMASRGQ KAKSMEGFQD LLNMRPDQSN
VRRMHTAVKL NEVIVNKSHE AKLVLLNMPG PPRNPEGDEN YMEFLEVLTE GLERVLLVRG
GGSEVITIYS **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.**

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, Western Blot

Grade:

custom-made

Target Details

Target:

SLC12A6

Alternative Name:

SLC12A6 ([SLC12A6 Products](#))

Background:

Solute carrier family 12 member 6 (Electroneutral potassium-chloride cotransporter 3) (K-Cl cotransporter 3),FUNCTION: [Isoform 1]: Mediates electroneutral potassium-chloride

Target Details

cotransport when activated by cell swelling (PubMed:16048901, PubMed:11551954, PubMed:10600773, PubMed:19665974, PubMed:18566107, PubMed:21628467, PubMed:27485015). May contribute to cell volume homeostasis in single cells (PubMed:16048901, PubMed:27485015). {ECO:0000269|PubMed:10600773, ECO:0000269|PubMed:11551954, ECO:0000269|PubMed:16048901, ECO:0000269|PubMed:18566107, ECO:0000269|PubMed:19665974, ECO:0000269|PubMed:21628467, ECO:0000269|PubMed:27485015, ECO:0000305|PubMed:16048901}., FUNCTION: [Isoform 2]: Mediates electroneutral potassium-chloride cotransport when activated by cell swelling (PubMed:16048901, PubMed:34031912, PubMed:33199848). May contribute to cell volume homeostasis in single cells (Probable). {ECO:0000269|PubMed:16048901, ECO:0000269|PubMed:33199848, ECO:0000269|PubMed:34031912, ECO:0000305|PubMed:16048901}., FUNCTION: [Isoform 3]: Mediates electroneutral potassium-chloride cotransport when activated by cell swelling (PubMed:16048901). May contribute to cell volume homeostasis in single cells (Probable). {ECO:0000269|PubMed:16048901, ECO:0000305|PubMed:16048901}., FUNCTION: [Isoform 4]: Mediates electroneutral potassium-chloride cotransport when activated by cell swelling (PubMed:16048901). May contribute to cell volume homeostasis in single cells (Probable). {ECO:0000269|PubMed:16048901, ECO:0000305|PubMed:16048901}., FUNCTION: [Isoform 5]: Mediates electroneutral potassium-chloride cotransport when activated by cell swelling (PubMed:16048901). May contribute to cell volume homeostasis in single cells (Probable). {ECO:0000269|PubMed:16048901, ECO:0000305|PubMed:16048901}., FUNCTION: [Isoform 6]: Mediates electroneutral potassium-chloride cotransport when activated by cell swelling (PubMed:16048901). May contribute to cell volume homeostasis in single cells (Probable). {ECO:0000269|PubMed:16048901, ECO:0000305|PubMed:16048901}.

Molecular Weight: 127.6 kDa

UniProt: [Q9UHW9](#)

Application Details

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