

Datasheet for ABIN7552627

SLC4A3 Protein (AA 1-1232) (His tag)



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Overview

Quantity:	1 mg
Target:	SLC4A3
Protein Characteristics:	AA 1-1232
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC4A3 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SLC4A3 Protein expressed in mammalian cells.
Sequence:	MANGVIPPPG GASPLPQVRV PLEPPPLSPD VEEEDDDLKG TLAVSRFGDL ISKPPAWDPE KPSRSYSERD FEFHRHTSHH THHPLSARLP PPHKLRLRLPP TSARHTRRKR KKEKTSAPPS EGTPPIQEEG GAGVDEEEEE EEEEEGESEA EPVEPPHSGT PQKAKFSIGS DEDDSPGLPG RAAVTKPLPS VGPHTDKSPQ HSSSSPSPRA RASRLAGEKS RPWSPSASYD LRERLCPGSA LGNPGGPEQQ VPTDEAEAQM LGSADLDDMK SHRLEDNPGV RRHLVKKPSR TQGGRGSPSG LAPILRRKKK KKKLDRRPHE VFVELNELML DRSQEPHWRE TARWIKFEED VEEETERWKG PHVASLSFRS LLELRRTIAH GAALLDLEQT TLPGLAHLVV ETMIVSDQIR PEDRASVLRT LLLKHSHPNL DKDSGFFPRN PSSSSMNSVL GNHHPTPSHG PDGAVPTMAD DLGEPAPLWP HDPDAKEKPL HMPGGDGHRG KSLKLEKIP EDAEATVVLV GCVPFLEQPA AAFVRLNEAV LLESVLEVPV PVRFLFVMLG PSHTSTDYHE LGRSIATLMS DKLFHEAAYQ ADDRQDLLSA ISEFLDGSIV IPPSEVEGRD LLRSVAAFQR ELLRKRRE RQTKVEMTTTRG GYTAPGKELS LELGGSEATP EDDPLLRTGS VFGGLVRDVR RRYPHYPSDL RDALHSQCVA AVLFIFYAAL

SPAITFGGLL GEKTEGLMGV SELIVSTAVL GVLFSLLGAQ PLLVWGFSGP LLVFEEAFFK
FCRAQDLEYL TGRVWVGLWL VVFLALVAA EGSFLVRYIS PFTQEIFAFL ISLIFIYETF
YKLYKVFEH PLLPFYPPEG ALEGSLDAGL EPNGSALPPT EGPPSPRNQP NTALLSLILM
LGTFFIAFFL RKFRNSRFLG GKARRIGDF GIPISILVMV LVDYSITDTY TQKLTVP TGL
SVTSPDKRSW FIPPLGSARP FPPWMMVAAA VPALLVLILI FMETQITALI VSQKARRLLK
GSGFHLDLLL IGS LGGLCGL FGLPWLTAA T VRSVTHVNAL TVMRTAIAPG DKPQIQEVRE
QRVTGVLIAS LVGLSIVMGA VLRRIPLAVL FGIFLYMGVT SLSGIQLSQR LLLILMPAKH
HPEQPYVTKV KTWRMHLFTC IQLGCIALLW VVKSTAASLA FPFLLLLTVP LRHCLLPRLF
QDRELQALDS EDAEPNFDED GQDEYNELHM PV **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.

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: SLC4A3

Target Details

Alternative Name:	SLC4A3 (SLC4A3 Products)
Background:	Anion exchange protein 3 (AE 3) (Anion exchanger 3) (CAE3/BAE3) (Cardiac/brain band 3-like protein) (Neuronal band 3-like protein) (Solute carrier family 4 member 3),FUNCTION: Sodium-independent anion exchanger which mediates the electroneutral exchange of chloride for bicarbonate ions across the cell membrane (PubMed:7923606, PubMed:29167417). May be involved in the regulation of intracellular pH , and the modulation of cardiac action potential (PubMed:29167417). {ECO:0000269 PubMed:29167417, ECO:0000269 PubMed:7923606}.
Molecular Weight:	135.8 kDa
UniProt:	P48751

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