

Datasheet for ABIN7554677
SLC24A2 Protein (AA 1-661) (His tag)



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Overview

Quantity:	1 mg
Target:	SLC24A2
Protein Characteristics:	AA 1-661
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC24A2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SLC24A2 Protein expressed in mammalian cells.
Sequence:	MDLQQSTTIT SLEKWCLDES LSGCRRHYSV KKKLKLIRVL GLFMGLVAIS TVSFSISAFS ETDTQSTGEA SVVSGPRVAQ GYHQRTLDDL NDKILDYTPQ PPLSKEGESE NSTDHAQGDY PKDIFSLEER RKGAILHVI GMIYMFIALA IVCDEFFVPS LTVITEKLG I SDDVAGATFM AAGGSAPELF TSLIGVFAIH SNVGIGTIVG SAVFNILFVI GMCALFSREI LNLTWWPLFR DVSFYIVDLI MLIIFFLDNV IMWWESLLLL TAYFCYVVFV KFNVQVEKWV KQMINRNKVV KVTAPEAQAK PSAARDKDEP TLPKAPRLQR GGSSASLHNS LMRNSIFQLM IHTLDPLAEE LGSYGKLYY DTMTEEGRFR EKASILHKIA KKKCHVDENE RQNGAANHVE KIELPNSTST DVEMTPSSDA SEPVQNGNLS HNIEGAEAQT ADEEEDQPLS LAWPSETRKQ VTFLIVFPV FPLWITLPDV RKPSSRKFFP ITFFGSITWI AVFSYLMVWW AHQVGETIGI SEEIMGLTIL AAGTSIPDLI TSVIVARKGL GDMAVSSSVG SNIFDITVGL PLPWLLYTVI HRFQPVAVSS NGLFCAIVLL FIMLLFVILS IALCKWRMNK ILGFIMFGLY FVFLVSVLL EDRILTCPVS Sequence without tag. The proposed Purification-Tag is based on experiences with the expression

Product Details

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: SLC24A2

Alternative Name: SLC24A2 ([SLC24A2 Products](#))

Background: Sodium/potassium/calcium exchanger 2 (Na⁺)/K⁺/Ca²⁺-exchange protein 2) (Retinal cone Na-Ca+K exchanger) (Solute carrier family 24 member 2),FUNCTION: Calcium, potassium:sodium antiporter that transports 1 Ca²⁺ and 1 K⁺ in exchange for 4 Na⁺ (PubMed:10662833, PubMed:26631410). Required for learning and memory by regulating neuronal Ca²⁺, which is essential for the development of synaptic plasticity (By similarity). {ECO:0000250|UniProtKB:Q8BUN9, ECO:0000269|PubMed:10662833, ECO:0000269|PubMed:26631410}.

Molecular Weight: 73.7 kDa

Target Details

UniProt: [Q9UI40](#)

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