

Datasheet for ABIN7555299
SLC26A7 Protein (AA 1-656) (His tag)



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Overview

Quantity:	1 mg
Target:	SLC26A7
Protein Characteristics:	AA 1-656
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC26A7 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SLC26A7 Protein expressed in mammalian cells.
Sequence:	MTGAKRKKKS MLWSKMHTPQ CEDIIQWCRR RLPILDWAPH YNLKENLLPD TVSGIMLAVQ QVTQGLAFV LSSVHPVFG L YGSLFPAIY AIFGMGHHVA TGTFALTSLI SANAVRIVP QNMQLTTQS NTSVLGLSDF EMQRIHVAAA VSFLGGVIQV AMFVLQLGSA TFVVTPEVIS AMTTGAATHV VTSQVKYLLG MKMPYISGPL GFFYIYAYVF ENIKSVRLEA LLLSLLSIV LVLVKELNEQ FKRKIKVVLP VDLVLIIAAS FACYCTNMEN TYGLEVVGHI PQGIPSPRAP PMNILSAVIT EAFGVALVGY VASLALAQGS AKKFKYSIDD NQEFLAHGLS NIVSSFFFCI PSAAAMGRTA GLYSTGAKTQ VACLISCIFV LIVIYAIGPL LYWLPMCVA SIIVGLKGM LIQFRDLKKY WNVDKIDWGI WVSTYVFTIC FAANVGLLFG VVCTIAIVIG RFPRAMTVSI KNMKEMEFKV KTEMDSETLQ QVKIISINNP LVFLNAKKFY TDLNMIQKE NACNQPLDDI SKCEQNTLLN SLSNGNCNEE ASQSCPNEKC YLILDCSGFT FFDYSGVSML VEVYMDCKGR SVDVLLAHCT ASLIKAMTYG GNL DSEKPIF FESVSAASH IHSNKNLSKL SDHSEV 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: SLC26A7

Alternative Name: SLC26A7 ([SLC26A7 Products](#))

Background: Anion exchange transporter (Solute carrier family 26 member 7),FUNCTION: Acts as an anion channel mediating the transport of chloride, sulfate and oxalate ions (PubMed:11834742). Mediates the transport of bromide, iodide, nitrate, gluconate, thiocyanate and bicarbonate ions (By similarity). Its permeability towards bicarbonate is weak and increases when pH is above 7 (By similarity). Mediates thiocyanate transport in retinal pigment epithelium cells (By similarity). Mediates iodide transport in the thyroid gland, playing an important role in the synthesis of thyroid hormones and the maintenance of thyroid function (PubMed:31372509). Although it is an anion channel, according to PubMed:12736153 and PubMed:32119864 it has been shown to exhibit chloride-bicarbonate exchanger activity. {ECO:0000250|UniProtKB:Q8R2Z3,

Target Details

ECO:0000269|PubMed:11834742, ECO:0000269|PubMed:12736153,
ECO:0000269|PubMed:31372509, ECO:0000269|PubMed:32119864}.

Molecular Weight: 72.2 kDa

UniProt: [Q8TE54](#)

Pathways: [Dicarboxylic Acid 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