

Datasheet for ABIN7555401
SLC26A8 Protein (AA 1-970) (His tag)



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Overview

Quantity:	1 mg
Target:	SLC26A8
Protein Characteristics:	AA 1-970
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC26A8 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SLC26A8 Protein expressed in mammalian cells.
Sequence:	MAQLERSAIS GFSSKSRNS FAYDVKREYV NEETFQQEHK RKASSSGNMN INITFRHHV QCRCSWHRFL RCVLTIFPFL EWMCMYRLKD WLLGDLLAGI SVGLVQVPQG LTLSELLARQL IPPLNIAYAA FCSSVIYVIF GSCHQMSIGS FFLVSALLIN VLKVSFNNNG QLMGFSFVKN EFSAPSYLMG YNKSLSVVAT TTFLTGIIQL IMGVLGLGFI ATYLPESAMS AYLAVALHI MLSQLTFIFG IMISFHAGPI SFFYDIINYC VALPKANSTS ILVFLTVVVA LRINKCIRIS FNQYPIEFPM ELFLIIGFTV IANKISMATE TSQTLIDMIP YSFLLPVTPTD FSLLPKIILQ AFSLSLVSSF LLIFLGKKIA SLHNYSVNSN QDLIAIGLCN VVSSFFRSCV FTGAIARTII QDKSGGRQQF ASLVGAGVML LLMVKMGHFF YTLNNAVLG IILSNVIPYL ETISNLPSLW RQDQYDCALW MMTFSSSIFL GLDIGLIISV VSAFFITTVR SHRAKILLG QIPNTNIYRS INDYREIITI PGVKIFQCCS SITFVNYYL KHKLLKEVDM VKVPLKEEEI FSLFNSSDTN LQGGKICRCF CNCDDLEPLP RILYTERFEN KLDPEASSIN LIHCSHFESM NTSQTASEDQ VPYTVSSVSQ KNQGQQYEEV EEVWLPNNSS RNSSPGLPDV AESQRRSLI PYSDASLLPS VHTIILDFSM VHYVDSRGLV VLRQICNAFQ

Product Details

NANILILIAG CHSSIVRAFE RNDFFDAGIT KTQLFLSVHD AVLFALSRKV IGSSSELSIDE SETVIRETYS
ETDKNDNSRY KMSSSFLGSQ KNVSPGFIKI QQPVEESEL DLELESEQEA GLGLDLDLDR
ELEPEMEPKA ETETKTQTEM EPQPETEPEM EPNPKSRPRA HTFPQQRYP MYHPSMASTQ
SQTQTRTWSV ERRRHPMDSY SPEGNSNEDV **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: SLC26A8

Alternative Name: SLC26A8 ([SLC26A8 Products](#))

Background: Testis anion transporter 1 (Anion exchange transporter) (Solute carrier family 26 member 8),FUNCTION: Antiporter that mediates the exchange of sulfate and oxalate against chloride ions across a membrane (PubMed:11834742, PubMed:11278976). Stimulates anion transport activity of CFTR (PubMed:22121115, PubMed:23582645). May cooperate with CFTR in the

Target Details

regulation of chloride and bicarbonate ions fluxes required for activation of the ADCY10/PKA pathway during sperm motility and sperm capacitation (By similarity). May play a role in sperm tail differentiation and motility and hence male fertility (By similarity).

{ECO:0000250|UniProtKB:Q8R0C3, ECO:0000269|PubMed:11278976, ECO:0000269|PubMed:11834742, ECO:0000269|PubMed:22121115, ECO:0000269|PubMed:23582645}.

Molecular Weight: 109.0 kDa

UniProt: [Q96RN1](#)

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