

Datasheet for ABIN7555326
SLC26A4 Protein (AA 1-780) (His tag)



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Overview

Quantity:	1 mg
Target:	SLC26A4
Protein Characteristics:	AA 1-780
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC26A4 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SLC26A4 Protein expressed in mammalian cells.
Sequence:	MAAPGGRSEP PQLPEYSCSY MVSRPVYSEL AFQQQHERRL QERKTLRESL AKCCSCSRKR AFGVLKTLVP ILEWLPKYRV KEWLLSDVIS GVSTGLVATL QGMAYALLAA VPGYGLYSA FFPILTYFIF GTSRHISVGP FPVWSLMVGS VVLSMAPDEH FLVSSSNGTV LNTTMIDTAA RDTARVLIA ALTLLVGIIQ LIFGGLQIGF IVRYLADPLV GGFTTAAAFQ VLVSQKIVL NVSTKNYNGV LSIYTLVEI FQNIGDTNLA DFTAGLLTIV VCMAVKELND RFRHKIPVPI PIEVIVTIIA TAISYGANLE KNYNAGIVKS IPRGFLPEL PPVSLFSEML AASFIAVVA YIAVSVGKV YATKYDYTID GNQEFIAFGI SNIFSGFFSC FVATTALSRT AVQESTGGKT QVAGIISAAI VMIAIALGK LLEPLQKSVL AAVVIANLKG MFMQLCDIPR LWRQNKIDAV IWWFTCIVSI ILGLDLGLLA GLIFGLLTVV LRVQFPSWNG LGSIPSTDIY KSTKNYKNIE EPQGVKILRF SSPIFYGNVD GFKKCIKSTV GFDAIRVYNK RLKALRKIQK LIKSGQLRAT KNGIISDAVS TNNAFEPDED IEDLEELDIP TKEIEIQVDW NSELPVKVNV PKVPIHSLVL DCGAISFLDV VGVRSRLRVIV KEFQRIDVNV YFASLQDYVI EKLEQCGFFD DNIRKDTFFL TVHDAILYLQ

Product Details

NQVKSQEGQG SILETITLIQ DCKDTLELIE TELTEEELDV QDEAMRTLAS **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: SLC26A4

Alternative Name: SLC26A4 ([SLC26A4 Products](#))

Background: Pendrin (Sodium-independent chloride/iodide transporter) (Solute carrier family 26 member 4),FUNCTION: Sodium-independent transporter of chloride and iodide (PubMed:10192399, PubMed:12107249, PubMed:11932316, PubMed:16684826, PubMed:24051746). Mediates electroneutral chloride-bicarbonate, chloride-iodide and chloride-formate exchange with 1:1 stoichiometry (PubMed:10644529, PubMed:15155570, PubMed:35601831, PubMed:24051746). Mediates electroneutral iodide-bicarbonate exchange (By similarity).
{ECO:0000250|UniProtKB:Q9R155, ECO:0000269|PubMed:10192399,

Target Details

ECO:0000269|PubMed:10644529, ECO:0000269|PubMed:11932316,
ECO:0000269|PubMed:12107249, ECO:0000269|PubMed:15155570,
ECO:0000269|PubMed:16684826, ECO:0000269|PubMed:24051746,
ECO:0000269|PubMed:35601831}.

Molecular Weight: 85.7 kDa

UniProt: [O43511](#)

Pathways: [Thyroid Hormone Synthesis, Sensory Perception of Sound](#)

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