

Datasheet for ABIN7557778
SLC26A2 Protein (AA 1-739) (His tag)



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Overview

Quantity:	1 mg
Target:	SLC26A2
Protein Characteristics:	AA 1-739
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC26A2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Slc26a2 Protein expressed in mammalian cells.
Sequence:	MSENKEQHD LSPRDLPEEA FGFPSELPLE TQRRSGTDLR QSETGHGRRR FRRIHMELRE KPDTDIKQFV IRELQKSCQC SAAKVRDGAF DFFPVLRWLP KYDLKKNILG DVMSGLIVGI LLVPQSIAYS LLAGQEPIYG LYTSFFASII YFLFGTSRHI SVGIFILCL MIGEVVDREL HKACPDTDAT SSSIADFSSG CVVWNHTLDG LCDKSCYAIK IGSTVTFMAG VYQVAMGFFQ VGFVSVYLSLSD ALLSGFVTGA SFTILTSQAK YLLGLSLPRS HGVGSVITTW IHIFRNIRNT NICDLITSL CLLVLPVSKE LNEHFKDKLK APIVELIVV VAATLASHFG KLNGNYNSSI AGHIPTGFMP PKAPDWSLIP NVAVDIAAIS IIGFAITVSL SEMFAKKHGY TVKANQEMYA IGFCNIIPSF FHCITTS AAL AKTLVKESTG CQTQLSAIVT ALVLLL VLLV IAPLFYSLQK CVLGVITIVN LRGALLKFRD LPKMWRLSRM DTVIWFVTML SSALLSTEIG LLVGVCFSMF CVILRTQKPK NSLLGLEEES ETFESISTYK NLRKSGIKV FRFIAPLYYI NKECFKSALY KKALNPVLVK AAWKKAARK LKEEMVTFRG DPDEVSMQLS HDPLEVHTIV IDCSAIQFLD TAGIHTLKEV RRDYEAVGIQ VLLAQCNPSV RDSLARGEYC KKEEETLLFY SLSEAVAF AE DSQNQKGVCV

Product Details

VNGLSLSGD **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: SLC26A2

Alternative Name: Slc26a2 ([SLC26A2 Products](#))

Background: Sulfate transporter (Diastrophic dysplasia protein homolog) (ST-OB) (Solute carrier family 26 member 2),FUNCTION: Sulfate transporter which mediates sulfate uptake into chondrocytes in order to maintain adequate sulfation of proteoglycans which is needed for cartilage development (PubMed:24302720). Mediates electroneutral anion exchange of sulfate ions for oxalate ions, sulfate and oxalate ions for chloride and/or hydroxyl ions and chloride ions for bromide, iodide and nitrate ions (PubMed:20219950, PubMed:22190686, PubMed:24302720). The coupling of sulfate transport to both hydroxyl and chloride ions likely serves to ensure transport at both acidic pH when most sulfate uptake is mediated by sulfate-hydroxide

Target Details

exchange and alkaline pH when most sulfate uptake is mediated by sulfate-chloride exchange (PubMed:22190686). Essential for chondrocyte proliferation, differentiation and cell size expansion (PubMed:24302720). {ECO:0000269|PubMed:20219950, ECO:0000269|PubMed:22190686, ECO:0000269|PubMed:24302720}.

Molecular Weight: 81.6 kDa

UniProt: [Q62273](#)

Pathways: [Glycosaminoglycan Metabolic Process](#), [Ribonucleoside Biosynthetic Process](#)

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