

Datasheet for ABIN7555325  
**SLC26A2 Protein (AA 1-739) (His tag)**



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## Overview

Quantity:	1 mg
Target:	SLC26A2
Protein Characteristics:	AA 1-739
Origin:	Human
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:	<p>MSESSEKEQHN VSPRDSAEGN DSYPSGIHLE LQRESSTDFK QFETNDQCRP YHRILIERQE KSDTNFKEFV IKKLQKNCQC SPAKAKNMIL GFLPVLQWLP KYDLKKNILG DVMSGLIVGI LLVPQSIAYS LLAGQEPVYG LYTSFFASII YFLLGTSRHI SVGIFGVLC L MIGETVDREL QKAGYDNAHS APSLGMVSNG STLLNHTSDR ICDKSCYAIM VGSTVTFIAG VYQVAMGFFQ VGFVSVYLS D ALLSGFVTGA SFTILTSQAK YLLGLNLPRT NGVGS LIT TW IHVFRNIHKT NLCDLITSL L CLLVLLPTKE LNEHF KSKLK APIPIELVVV VAATLASHFG KLHENYNSSI AGHIPTGFMP PKVPEWNLIP SVAVDIAAIS IIGFAITVSL SEMFAKKHGY TVKANQEMYA IGFCNIIPSF FHCFTTSAAL AKTLVKESTG CHTQLSGVVT ALVLLL VLLV IAPLFYSLQK SVLGVITIVN LRGALRKFRD LPKMWSISRM DTVIWFVTML SSALLSTEIG LLVGVCF SIF CVILRTQKPK SLLGLVEES EVFESVSAYK NLQIKPGIKI FRFVAPLYYI NKECFKSALY KQTVNPILIK VAWKKAARKR IKEKVWTLGG IQDEMSVQLS HDPLELHTIV IDCSAIQFLD TAGIHTLKEV RRDYEAIQIQ VLLAQCNPTV RDSL TNGEYC KKEEENLLFY SVYEAMAF AE VSKNQKGV CV</p>

## Product Details

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PNGLSLSSD **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

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**Target:** SLC26A2

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

**Background:** Sulfate transporter (Diastrophic dysplasia protein) (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:7923357, PubMed:11448940, PubMed:15294877, PubMed:20219950). Mediates electroneutral anion exchange of sulfate ions for oxalate ions and of sulfate and oxalate ions for chloride ions (PubMed:20219950). Mediates exchange of sulfate and oxalate ions for hydroxyl ions and of chloride ions for bromide, iodide and nitrate ions (By similarity). The coupling of sulfate transport to both hydroxyl and chloride ions likely serves to ensure transport

## Target Details

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at both acidic pH when most sulfate uptake is mediated by sulfate-hydroxide exchange and alkaline pH when most sulfate uptake is mediated by sulfate-chloride exchange (By similarity). Essential for chondrocyte proliferation, differentiation and cell size expansion (By similarity). {ECO:0000250|UniProtKB:Q62273, ECO:0000269|PubMed:11448940, ECO:0000269|PubMed:15294877, ECO:0000269|PubMed:20219950, ECO:0000269|PubMed:7923357}.

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Molecular Weight: 81.7 kDa

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UniProt: [P50443](#)

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

## Application Details

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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.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months