

Datasheet for ABIN7551676
SLC13A3 Protein (AA 1-602) (His tag)



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Overview

Quantity:	1 mg
Target:	SLC13A3
Protein Characteristics:	AA 1-602
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC13A3 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SLC13A3 Protein expressed in mammalian cells.
Sequence:	<p>MAALAAAANK VWSARLLVL LFTPLALLPV VFALPPKEGR CLFVILLMAV YWCTEALPLS VTALLPIVLF PFMGILPSNK VCPQYFLDTN FLFLSGLIMA SAIEEWNLHR RIALKILMLV GVQPARLILG MMVTTSFLSM WLSNTASTAM MLPIANAILK SLFGQKEVRK DPSQESEENT AAVRRNGLHT VPTMQFLAS TEAKDHPGET EVPLDLPADS RKEDEYRRI WKGFLISIPY SASIGGTATL TGTAPNLILL GQLKSFFPQC DVVNFQSWFI FAFPLMLLFL LAGWLWISFL YGGLSFRGWR KNKSEIRTNA EDRARAVIRE EYQNLGPIKF AEQAVFILFC MFAILLFTRD PKFIPGWASL FNPGFSLDAV TGVAIVTILF FFPSQRPSLK WWDFDKAPNT ETEPLLWKK AQETVPWNII LLLGGGFAMA KGCEESGLSV WIGGQLHPLE NVPPALAVLL ITVVI AFFTE FASNTATIII FLPVLAELAI RLRVHPLYLM IPGTVGCSFA FMLPVSTPPN SIAFASGHLL VKDMVRTGLL MNLMGVLLLS LAMNTWAQTI FQLGTFPDWA DMYSVNVTAL PPTLANDTFR TL</p> <p>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.</p>

Product Details

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: SLC13A3

Alternative Name: SLC13A3 ([SLC13A3 Products](#))

Background: Na(+)/dicarboxylate cotransporter 3 (NaDC-3) (hNaDC3) (Na(+)-coupled carboxylate transporter 3) (NaC3) (Sodium-dependent high-affinity dicarboxylate transporter 2) (Solute carrier family 13 member 3) (SLC13A3),FUNCTION: High-affinity sodium-dicarboxylate cotransporter that accepts a range of substrates with 4-6 carbon atoms, such as the citric acid cycle intermediates succinate and alpha-ketoglutarate (2-oxoglutarate), as well as other compounds including N-acetyl-L-aspartate (PubMed:10794676, PubMed:10992006, PubMed:15561973, PubMed:17426067, PubMed:17356845, PubMed:24247155, PubMed:30635937). Transports the dicarboxylate into the cell with a probable stoichiometry of 3 Na(+) for 1 divalent dicarboxylate, rendering the process electrogenic (PubMed:10794676, PubMed:10992006). Can transport citrate in a Na(+)-dependent manner, recognizing the

Target Details

divalent form of citrate rather than the trivalent form which is normally found in blood (PubMed:10794676). {ECO:0000269|PubMed:10794676, ECO:0000269|PubMed:10992006, ECO:0000269|PubMed:15561973, ECO:0000269|PubMed:17356845, ECO:0000269|PubMed:17426067, ECO:0000269|PubMed:24247155, ECO:0000269|PubMed:30635937}.

Molecular Weight: 66.8 kDa

UniProt: [Q8WWT9](#)

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