

Datasheet for ABIN7545961
SLC5A4 Protein (AA 1-659) (His tag)



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Overview

Quantity:	1 mg
Target:	SLC5A4
Protein Characteristics:	AA 1-659
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC5A4 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SLC5A4 Protein expressed in mammalian cells.
Sequence:	<p>MASTVSPSTI AETPEPPPLS DHIRNAADIS VIVIYFLVVM AVGLWAMLKT NRGTIGGFFL AGRDMAWWPM GASLFASNIG SNHYVGLAGT GAASGVATVT FEWTSSVMLL ILGWIFVPIY IKSGVMTMPE YLKKRFGGER LQVYLSILSL FICVLLISA DIFAGAIFIK LALGLDLYLA IFILLAMTAV YTTTGGLASV IYTDLTQTII MLIGSFILMG FAFNEVGGYE SFTEKYVNAT PSVVEGDNLT ISASCYTPRA DSFHIFRDAV TGDIPWPGII FGMPITALWY WCTNQVIVQR CLCGKDMSHV KAACIMCAYL KLLPMFLMVM PGMISRILYT DMVACVVPSE CVKHCGVDVG CTNYAYPTMV LELMPQGLRG LMLSVMLASL MSSLTSIFNS ASTLFTIDLY TKMRKQASEK ELLIAGRIFV LLLTVVSIVW VPLVQVSQNG QLIHYTESIS SYLGPPIAAV FVLAIFCKRV NEQGAFWGLM VGLAMGLIRM ITEFAYGTGS CLAPSNCPKI ICGVHYLYFS IVLFFGSMLV TLGISLLTKP IPDVHLYRLC WVLRNSTEER IDIDAEKSQ EETDDGVEED YPEKSRGCLK KAYDLFCGLQ KGPKLTKEEE EALSKKLTDT SERPSWRTIV NINAILLAV VVFIHGYYA Sequence without tag.</p> <p>The proposed Purification-Tag is based on experiences with the expression system, a</p>

Product Details

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: SLC5A4

Alternative Name: SLC5A4 ([SLC5A4 Products](#))

Background: Probable glucose sensor protein SLC5A4 (Solute carrier family 5 member 4),FUNCTION: Does not function as sodium/D-glucose symporter (PubMed:13130073, PubMed:20421923, PubMed:22766068). However, may function as a D-glucose sensor by generating a D-glucose-induced depolarization which is pH-independent, Na(+)-dependent at neutral pH and probably H(+)-dependent at acidic pH (PubMed:13130073, PubMed:22766068, PubMed:17110502, PubMed:20421923). {ECO:0000269|PubMed:13130073, ECO:0000269|PubMed:17110502, ECO:0000269|PubMed:20421923, ECO:0000269|PubMed:22766068}.

Molecular Weight: 72.5 kDa

Target Details

UniProt: [Q9NY91](#)

Pathways: [Proton 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
