

Datasheet for ABIN7555345
SLC20A2 Protein (AA 1-652) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	SLC20A2
Protein Characteristics:	AA 1-652
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC20A2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SLC20A2 Protein expressed in mammalian cells.
Sequence:	MAMDEYLWMV ILGFIIAFIL AFSVGANDVA NSFGTAVGSG VVTLRQACIL ASIFETTGSV LLGAKVGETI RKGIIDVNLY NETVETLMAG EVSAMVGS AV WQLIASFLRL PISGTHCIVG STIGFSLVAI GTKGVQWMEL VKIVASWFIS PLLSGFMSGL LFLVIRIFIL KKEDPVPNGL RALPVFYAAT IAINVFSIMY TGAPVLGLVL PMWAIALISF GVALLFAFFV WLFVCPWMRR KITGKLQKEG ALSRVSDSL SKVQEAESPV FKELPGAKAN DDSTIPLTGA AGETLGTSEG TSAGSHPRAA YGRALSMTHG SVKSPISNGT FGDGHTSRSD GHVYHTVHKD SGLYKDLLHK IHIDRGPEEK PAQESNYRLL RRNNSYTCYT AAICGLPVHA TFRAADSSAP EDSEKLVGDT VSYSKRLRY DSYSSYCN AV AEAEIAEEG GVEMKLA SEL ADPDQPREDP AEEEEKEEKDA PEVHLLFHFL QVLTACFGSF AHGGNDVSNA IGPLVALWLI YKQGGVTQEA ATPVWLLFYG GVGICTGLWV WGRRVIQTMG KDLTPITPSS GFTIELASAF TVVIASNIGL PVSTTHCKVG SVVAVGWIRS RKAVDWRLFR NIFVAWFVTV PVAGLFSAAV MALLMYGILP YV Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a

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: SLC20A2

Alternative Name: SLC20A2 ([SLC20A2 Products](#))

Background: Sodium-dependent phosphate transporter 2 (Gibbon ape leukemia virus receptor 2) (GLVR-2) (Phosphate transporter 2) (PiT-2) (Pit2) (hPit2) (Solute carrier family 20 member 2),FUNCTION: Sodium-phosphate symporter which preferentially transports the monovalent form of phosphate with a stoichiometry of two sodium ions per phosphate ion (PubMed:12205090, PubMed:15955065, PubMed:16790504, PubMed:17494632, PubMed:22327515, PubMed:28722801, PubMed:30704756). Plays a critical role in the determination of bone quality and strength by providing phosphate for bone mineralization (By similarity). Required to maintain normal cerebrospinal fluid phosphate levels (By similarity). Mediates phosphate-induced calcification of vascular smooth muscle cells (VCMCs) and can functionally

Target Details

compensate for loss of SLC20A1 in VCMCs (By similarity). {ECO:0000250|UniProtKB:Q80UP8, ECO:0000269|PubMed:12205090, ECO:0000269|PubMed:15955065, ECO:0000269|PubMed:16790504, ECO:0000269|PubMed:17494632, ECO:0000269|PubMed:22327515, ECO:0000269|PubMed:28722801, ECO:0000269|PubMed:30704756}., FUNCTION: (Microbial infection) Functions as a retroviral receptor and confers human cells susceptibility to infection to amphotropic murine leukemia virus (A-MuLV), 10A1 murine leukemia virus (10A1 MLV) and some feline leukemia virus subgroup B (FeLV-B) variants. {ECO:0000269|PubMed:11435563, ECO:0000269|PubMed:12205090, ECO:0000269|PubMed:15955065, ECO:0000269|PubMed:8302848}.

Molecular Weight: 70.4 kDa

UniProt: [Q08357](#)

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