

Datasheet for ABIN7564263  
**SLC20A2 Protein (AA 1-656) (His tag)**



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## Overview

Quantity:	1 mg
Target:	SLC20A2
Protein Characteristics:	AA 1-656
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC20A2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat Slc20a2 Protein expressed in mammalien cells.
Sequence:	MAMDGYLWMV ILGFIAFIL AFSVGANDVA NSFGTAVGSG VVTLRQACIL ASIFETTGSV LLGAKVGETI RKGIIDVNLY NETVETLMAG EVSAMVGS AV WQLIASFLRL PISGTHCIVG STIGFSLVAI GPKG VQW MEL VKIVASWFIS PLLSGFMSGV LFILIRMFIL TKEDPVPNGL QALPLFYAAT IAINVFSIMY TGAPVLGLSL PIWAIALISF GVALLFAFFV WLFVCPWMKR KIAGRLEKES ALSRASDESL RKVQEAESPG FKELPGAKPS DDSAVPLTSL AGEAVGASEG TSAGNHPRAS YGRALSMTHG SAKSPISNGT FGFEGHMRND GHVYHTVHKD SGLYKDLLHK IHVDRGSEEK PTQENNYRLL RRNNSYTCYT AAICGMPVHT TFRASDTSSA PEDSEKLVGD SVSYSKKRLR YDSYSSYCNA VAEAEIEAEE GG VEMRLASE LADPDRPHED PTEEEKEEKD SAEVHLLFHF LQVL TACFGS FAHGNDVSN AIGPLVALWL IYQGGVTQE AATPVWLLFY GGVGICTGLW VWGRRVIQTM GKDLTPITPS SGFTIELASA FTVVIASNIG LPVSTTHCKV GSVVAVGWIR SRKAVDWRLF RNIFVAWFVT VPVAGLFSAA IMALLMYICG LFSSSR <b>Sequence</b>

**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.**

### 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, Western Blot

### Grade:

custom-made

## Target Details

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### Target:

SLC20A2

### Alternative Name:

Slc20a2 ([SLC20A2 Products](#))

### Background:

Sodium-dependent phosphate transporter 2 (Phosphate transporter 2) (PiT-2) (Solute carrier family 20 member 2) (Type III sodium-dependent phosphate transporter),FUNCTION: Sodium-phosphate symporter which preferentially transports the monovalent form of phosphate with a stoichiometry of two sodium ions per phosphate ion (PubMed:11003594, PubMed:23968976, PubMed:26822507, PubMed:30721528). Plays a critical role in the determination of bone quality and strength by providing phosphate for bone mineralization (PubMed:30721528). Required to maintain normal cerebrospinal fluid phosphate levels (PubMed:26822507). Mediates phosphate-induced calcification of vascular smooth muscle cells (VCMCs) and can functionally compensate for loss of SLC20A1 in VCMCs (PubMed:23968976). {ECO:0000269|PubMed:11003594, ECO:0000269|PubMed:23968976,

## Target Details

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ECO:0000269|PubMed:26822507, ECO:0000269|PubMed:30721528}.

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Molecular Weight: 70.9 kDa

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UniProt: [Q80UP8](#)

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## Application Details

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Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. 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

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## 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

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