

Datasheet for ABIN7563925  
**SLC20A1 Protein (AA 1-681) (His tag)**



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## Overview

Quantity:	1 mg
Target:	SLC20A1
Protein Characteristics:	AA 1-681
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC20A1 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Slc20a1 Protein expressed in mammalian cells.
Sequence:	MESTVATITS TLAAVTASAP PKYDNLWMLI LGFIIAFVLA FSVGANDVAN SFGTAVGSGV VTLKQACILA SIFETVGSAL LGAKVSETIR NGLIDVELYN ETQDLLMAGS VSAMFGSAVW QLVASFLKLP ISGTHCIVGA TIGFSLVANG QKGVKWSELI KIVMSWFVSP LLSGIMSGIL FFLVRAFILR KADPVPNGLR ALPIFYACTI GINLFSIMYT GAPLLGFDKL PLWGILISV GCAVFCALIV WFFVCPRMKR KIEREVKSSP SESPLMEKKS NLKEDHEETK MAPGDVEHRN PVSEVWCATG PLRAVVEERT VSFKLGDL EEAPERERLPMD LKEETSIDST INGAVQLPNG NLVQFSQTVS NQINSSGHYQ YHTVHKDSSL YKELLHKLHL AKVGDCMGDS GDKPLRRNNS YTSYTMAICG MPLDSFRAKE GEQKGD EMET LTWPNADTKK RIRMDSYTSY CNAVSDLHSE SEMDMSVKA E MGLGDRKGSS GSLEEWYDQD KPEVSL LFQF LQILTACFGS FAHGGNDVSN AIGPLVALYL VYKQEASTKA ATPIWLLLYG GVGICMGLWV WGRRIQTMG KDLTPITPSS GFSIELASAL TVVIASNIGL PISTTHCKVG SVVSVGWLRS KKAVDWRLFR NIFMAWFVTY PISGVISAAI MAVFKYIILP V <b>Sequence without tag. The proposed Purification-Tag is based on</b>

## Product Details

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**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.**

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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.

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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.

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Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

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Grade: custom-made

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## Target Details

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Target: SLC20A1

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Alternative Name: Slc20a1 ([SLC20A1 Products](#))

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Background: Sodium-dependent phosphate transporter 1 (Gibbon ape leukemia virus receptor 1) (GLVR-1) (Leukemia virus receptor 1 homolog) (Phosphate transporter 1) (PiT-1) (Solute carrier family 20 member 1),FUNCTION: Sodium-phosphate symporter which preferentially transports the monovalent form of phosphate with a stoichiometry of two sodium ions per phosphate ion. May play a role in extracellular matrix and cartilage calcification as well as in vascular calcification. Essential for cell proliferation but this function is independent of its phosphate transporter activity. {ECO:0000250|UniProtKB:Q8WUM9},. FUNCTION: (Microbial infection) May function as a retroviral receptor but do not confer infection susceptibility to Gibbon Ape Leukemia Virus (GaLV), Simian sarcoma-associated virus (SSAV) and Feline leukemia virus

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## Target Details

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subgroup B (FeLV-B). {ECO:0000269|PubMed:12097582, ECO:0000269|PubMed:1309898}.

Molecular Weight: 74.2 kDa

UniProt: [Q61609](#)

## 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.

Restrictions: For Research Use only

## Handling

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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