

Datasheet for ABIN7549776

SLC17A1 Protein (AA 1-467) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	SLC17A1
Protein Characteristics:	AA 1-467
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC17A1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat SLC17A1 Protein expressed in mammalian cells.
Sequence:	MQMDNRLPPK KVPGFCSFRY GLSFLVHCCN VIITAQRACL NLTMVVMVNS TDPHGLPNTS TKKLLDNIKN PMYNWSPDIQ GIILSSTSYG VIIIQVPVGY FSGIYSTKKM IGFALCLSSV LSELLIPPAAG IGVAWVVVCR AVQGAAQGIV ATAQFEIYVK WAPPLERGRRL TSMSTSGFLL GPFIVLLVTG VICESLGWPM VFYIFGACGC AVCLLWFVLF YDDPKDHPCI SISEKEYITS SLVQQVSSSR QSLPIKAILK SLPVWAISTG SFTFFWSHNI MTLYTPMFIN SMLHVNKEN GFLSSLPYLF AWICGNLAGQ LSDFFLTRNI LSVIAVRKLF TAAGFLLPAI FGVCLPYLSS TFYSIVIFLI LAGATGSFCL GGVFINGLDI APRYFGFIKA CSTLTGMIGG LIASLTGLI LKQDPESAWF KTFILMAAIN VTGLIFYLIV ATAEIQDWAK EKQHTRL 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. In case you have a special request, please contact us.

Product Details

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

Target:

SLC17A1

Alternative Name:

SLC17A1 ([SLC17A1 Products](#))

Background:

Sodium-dependent phosphate transport protein 1 (Na⁺)/Pi cotransporter 1) (Na/Pi-4) (Renal Na⁺-dependent phosphate cotransporter 1) (Renal sodium-dependent phosphate transport protein 1) (Renal sodium-phosphate transport protein 1) (Sodium/phosphate cotransporter 1) (Solute carrier family 17 member 1),FUNCTION: Important for the resorption of phosphate by the kidney (PubMed:7826357). May be involved in actively transporting phosphate into cells via Na⁺ cotransport in the renal brush border membrane (PubMed:7826357). Plays a role in urate transport in the kidney (PubMed:27906618, PubMed:25252215).
{ECO:0000269|PubMed:25252215, ECO:0000269|PubMed:27906618, ECO:0000269|PubMed:7826357}.

Molecular Weight:

51.1 kDa

UniProt:

[Q14916](#)

Application Details

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.

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