

Datasheet for ABIN7551705  
**C6orf192 Protein (AA 1-456) (His tag)**



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## Overview

Quantity:	1 mg
Target:	C6orf192
Protein Characteristics:	AA 1-456
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This C6orf192 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat SLC18B1 Protein expressed in mammalien cells.
Sequence:	MEALGDLEGP RAPGGDDPAG SAGETPGWLS REQVFLISA ASVNLGSMMLC YSILGPPFFPK EAEKKGASNT IIGMIFGCFA LFELLASLVF GNYLVHIGAK FMFVAGMFVS GGVTILFGVL DRVPDGPVFI AMCFLVRVMD AVSFAAAMTA SSSILAKAFP NNVATVLGSL ETFSGLLIL GPPVGGFLYQ SFGYEVFIV LGCVLLMVP LNMYILPNEY SDPGEHSFWK LIALPKVGLI AFVINSLSLSS FGFLDPTLSL FVLEKFNLPA GYVGLVFLGM ALSYAISSPL FGLLSDKRPP LRKWLLVFGN LITAGCYMLL GPVPILHIKS QLWLLVLILV VSGLSAGMSI IPTFPEILSC AHENGFEEGL STLGLVSLGF SAMWSIGAFM GPTLGGFLYE KIGFEWAAAI QGLWALISGL AMGLFYLLY SRRKRKSKSQN ILSTEEERTT LLPNET <b>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.</b>

## Product Details

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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, Western Blot

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### Grade:

custom-made

## Target Details

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### Target:

C6orf192

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### Alternative Name:

SLC18B1 ([C6orf192 Products](#))

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### Background:

MFS-type transporter SLC18B1 (Solute carrier family 18 member B1) (Vesicular polyamine transporter) (VPAT),FUNCTION: Proton-coupled polyamine antiporter involved in the translocation of polyamines from cytosol into secretory vesicles prior to their release via exocytosis. Uses the electrochemical proton gradient generated by a V-type proton-pumping ATPase to couple the efflux of protons with the uptake of a polyamine molecule (PubMed:25355561). Facilitates vesicular storage of spermine and spermidine in astrocytes with an impact on glutamatergic neuronal transmission and memory formation (PubMed:25355561) (By similarity). Upon antigen stimulation, regulates polyamine accumulation and release in mast cell secretory granules, which in turn potentiates mast cell degranulation and histamine secretion (By similarity). {ECO:0000250|UniProtKB:D3Z5L6, ECO:0000269|PubMed:25355561}.

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### Molecular Weight:

48.9 kDa

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### UniProt:

[Q6NT16](#)

## 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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