

Datasheet for ABIN7551729  
**SLC6A8 Protein (AA 1-635) (His tag)**



[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	SLC6A8
Protein Characteristics:	AA 1-635
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC6A8 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat SLC6A8 Protein expressed in mammalien cells.
Sequence:	<p>MAKXSAENGI YSVSGDEKKG PLIAPGPDGA PAKGDGPVGL GTPGGRLAVP PRETWTRQMD            FIMSCVGFVAV GLGNVWRFPY LCYKNGGGVF LIPYVLIALV GGIPIFFLEI SLGQFMKAGS            INVWNICPLF KGLGYASMVI VFYCNTYYIM VLAWGFYYLV KSFTTTLPWA TCGHTWNTPD            CVEIFRHEDC ANASLANLTC DQLADRRSPV IEFWENKVL RLSGGLEVPGA LNWEVTLCLL            ACWVLVYFCV WKGVKSTGKI VYFTATFPYV VLVLLVRGV LLPGALDGII YYLKPDSKSL            GSPQVWIDAG TQIFFSYAIG LGALTALGSY NRFNNCYKD AILALINSG TSFFAGFVVF            SILGFMAAEQ GVHISKVAES GPGFLAFIAYP RAVTLMPVAP LWAALFFFML LLLGLDSQFV            GVEGFITGLL DLLPASYYFR FQREISVALC CALCFVIDLS MVTDGGMYVF QLFDYYSASG            TTLLWQAFWE CVVVAWVYGA DRFMDDIACM IGYRPCPWMK WCWSFFTPLV CMGIFIFNVV            YYEPLVYNNT YVYPWWGEAM GWAFALSSML CVPLHLLGCL LRAKGTMAER WQHLTQPIWG            LHHLEYRAQD ADVRGLTTLT PVSESSKVVV VESVM <b>Sequence without tag. The proposed</b></p>

**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:

SLC6A8

### Alternative Name:

SLC6A8 ([SLC6A8 Products](#))

### Background:

Sodium- and chloride-dependent creatine transporter 1 (CT1) (Creatine transporter 1) (Solute carrier family 6 member 8),FUNCTION: Creatine:sodium symporter which mediates the uptake of creatine (PubMed:7953292, PubMed:7945388, PubMed:9882430, PubMed:17465020, PubMed:22644605, PubMed:25861866). Plays an important role in supplying creatine to the brain via the blood-brain barrier (By similarity). {ECO:0000250|UniProtKB:Q8VBW1, ECO:0000269|PubMed:17465020, ECO:0000269|PubMed:22644605, ECO:0000269|PubMed:25861866, ECO:0000269|PubMed:7945388, ECO:0000269|PubMed:7953292, ECO:0000269|PubMed:9882430}.

### Molecular Weight:

70.5 kDa

## Target Details

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UniProt: [P48029](#)

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Pathways: [Retinoic Acid Receptor Signaling Pathway](#), [Intracellular Steroid Hormone Receptor Signaling Pathway](#), [Regulation of Intracellular Steroid Hormone Receptor Signaling](#), [Nuclear Hormone Receptor Binding](#), [ER-Nucleus Signaling](#), [Unfolded Protein Response](#)

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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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