

Datasheet for ABIN7545909  
**SLC6A3 Protein (AA 1-620) (His tag)**



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## Overview

Quantity:	1 mg
Target:	SLC6A3
Protein Characteristics:	AA 1-620
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC6A3 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant SLC6A3 Protein expressed in mammalian cells.
Sequence:	<p>MSKSKCSVGL MSSVAPAKE PNAVGPKEVE LILVKEQNGV QLTSSLTNP RQSPVEAQDR ETWGKKIDFL LSVIGFAVDL ANVWRFPYLC YKNGGGAFLV PYLLFMVIAG MPLFYMELAL GQFNREGAAG VWKICPILKG VGFTVILISL YVGFFYNVII AWALHYLFSS FTTELPWIHC NNSWNSPNCSDAHPGDSSGD SSSLNDFGT TPAAEYFERG VLHLHQSHGI DDLGPPRWQL TACLVLVIVL LYFSLWKGVK TSGKVVWITA TMPYVLTAL LLRGVTLPGA IDGIRAYLSV DFYRLCEASV WIDAATQVCF SLGVGFGVLI AFSSYNKFTN NCYRDAIVTT SINSLTSFSS GFVVFSLGY MAQKHSVPIG DVAKDGPGLI FIIYPEAIAT LPLSSAWAVV FFIMLLTLGI DSAMGGMESV ITGLIDEFQL LHRHRELFTL FIVLATFLLS LFCVTNGGIY VFTLLDHFAA GTSILFGVLI EAIGVAWFYV VGQFSDDIQQ MTGQRPSLYW RLCWKLVSFC FLLFVVVSI VTFRPPHYGA YIFPDWANAL GWVIATSSMA MVPIYAAYKF CSLPGSFREK LAYIAPEKD RELVDRGEVR QFTLRHWLKV <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make</b></p>

## Product Details

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**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:** SLC6A3

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**Alternative Name:** SLC6A3 ([SLC6A3 Products](#))

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**Background:** Sodium-dependent dopamine transporter (DA transporter) (DAT) (Solute carrier family 6 member 3),FUNCTION: Mediates sodium- and chloride-dependent transport of dopamine (PubMed:1406597, PubMed:8302271, PubMed:10375632, PubMed:11093780, PubMed:15505207, PubMed:19478460). Also mediates sodium- and chloride-dependent transport of norepinephrine (also known as noradrenaline) (By similarity). Regulator of light-dependent retinal hyaloid vessel regression, downstream of OPN5 signaling (By similarity). {ECO:0000250|UniProtKB:P23977, ECO:0000250|UniProtKB:Q61327, ECO:0000269|PubMed:1406597, ECO:0000269|PubMed:15505207, ECO:0000269|PubMed:8302271}.

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## Target Details

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Molecular Weight: 68.5 kDa

UniProt: [Q01959](#)

Pathways: [Dopaminergic Neurogenesis](#)

## 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