

Datasheet for ABIN7555373  
**SLC6A5 Protein (AA 1-797) (His tag)**



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## Overview

Quantity:	1 mg
Target:	SLC6A5
Protein Characteristics:	AA 1-797
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC6A5 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant SLC6A5 Protein expressed in mammalian cells.
Sequence:	<p>MDCSAPKEMN KLPANSPEAA AAQGHDPGPC APRTSPEQEL PAAAAPPPR VPRSASTGAQ TFQSADARAC EAERPGVGSC KLSSPRAQAA SAALRDLREA QGAQASPPPG SSGPGNALHC KIPFLRGPEG DANVSVGKGT LERNNTPVVG WVNMSQSTVV LATDGITSVL PGSVATVATQ EDEQGDKENKA RGNWSSKLDL ILSMVGAVG LGNVWRFPYL AFQNGGGAFL IPYLMMLALA GLPIFFLEVS LGQFASQGPV SVWKAIPALQ GCGIAMLIIS VLIAIYYNVI ICYTLFYLFSA SFVSVLPWGS CNNPWNTPEC KDKTKLLDLS CVISDHPKIQ IKNSTFCMTA YPNVTMVNFT SQANKTFVSG SEEFKYFVL KISAGIEYPG EIRWPLALCL FLAWVIVYAS LAKGIKTSKG VVYFTATFPY VVLVILLIRG VTLPGAGAGI WYFITPKWEK LTDATVWKDA ATQIFFLSA AWGGLITLSS YNKFHNNCYR DTLIVTCTNS ATSIFAGFVI FSVIGFMANE RKNVIENVAD QGPGIAFVVY PEALTRLPLS PFWAIIFFLM LLTLGLDTMF ATIETIVTSI SDEFPKYLRT HKPVFTLGCC ICFFIMGFPM ITQGGIYMFQ LVDTYAASYA LVIIAIFELV GISVYVGLQR FCEDIEMMIG FQPNIFWKVC WAFVTPTILT FILCFSFYQW EPMTYGSYRY PNWSMVLGWL MLACSVIWIW</p>

## Product Details

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IMFVIKMHSLA PGRFIERLKL VCSPQPDWGP FLAQHRGERY KNMIDPLGTS SLGLKLPVKD

LELGTQC **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.**

**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.

**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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

**Grade:** custom-made

## Target Details

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**Target:** SLC6A5

**Alternative Name:** SLC6A5 ([SLC6A5 Products](#))

**Background:** Sodium- and chloride-dependent glycine transporter 2 (GlyT-2) (GlyT2) (Solute carrier family 6 member 5),FUNCTION: Sodium- and chloride-dependent glycine transporter (PubMed:9845349, PubMed:10381548, PubMed:10606742, PubMed:31370103, PubMed:16751771). Terminates the action of glycine by its high affinity sodium-dependent reuptake into presynaptic terminals (PubMed:9845349). May be responsible for the termination of neurotransmission at strychnine-sensitive glycinergic synapses (PubMed:9845349). {ECO:0000269|PubMed:10381548, ECO:0000269|PubMed:10606742, ECO:0000269|PubMed:16751771,

## Target Details

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ECO:0000269|PubMed:31370103, ECO:0000269|PubMed:9845349}, FUNCTION: [Isoform 2]: Lacks sodium- and chloride-dependent glycine transporter activity. {ECO:0000269|PubMed:10381548}, FUNCTION: [Isoform 3]: Lacks sodium- and chloride-dependent glycine transporter activity. {ECO:0000269|PubMed:10381548}.

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Molecular Weight: 87.4 kDa

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UniProt: [Q9Y345](#)

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## 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.

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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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