

Datasheet for ABIN7558808  
**SLC15A3 Protein (AA 1-578) (His tag)**



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## Overview

Quantity:	1 mg
Target:	SLC15A3
Protein Characteristics:	AA 1-578
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC15A3 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat Slc15a3 Protein expressed in mammalian cells.
Sequence:	<p>MSAPRAEEQP SRSGERQPLV ARGPRGPRRW RRTAAAVLL VQMLERAFF GVTSNLVLYL NSLNFNWDGQ QASRATLLFL GASILLAPVG GWLADVYLGR FLTISLALL YLAASGLLLT TITNDGRRSF CGEMPELPLE PACPSSSCQG SWSSPYCATT LYLVLALLAL AASSVRSTLT SFGADQVMDL GRDATTRFFN WFYWSINLGA ILSLLVAFI EQNISFLWGY SIIVGLVGLA FFIFLFATPV FITKPPTGSQ VSSMLKLAFL NCCPCRRSSS RDESEAHLLP DQRSNQPGPS PQEDMANFQV LVKILPVMVT LVPYWMVYFQ MQSTYVLQGL HLHIPNIFRT NPNISLLLR DSSNYRIPEA WLLLANVAVI LILIPVKDHL IDPLLRCKL LPSSLQKMAL GMFFGFSTII VAGVLEKERL QYIAANQVTP QLIGKDLYYA APLSIWWQIP QYLLIGVSEI FASIPGLEFA YSEAPRSMQG AIMGIFFCLS GVGSLGSGL VALLSFPGGW MYCPKDFGNI NNCQMDRYFF LLAGIEAVTA VLFLWIAGRY ERTRQDPASQ RSSSRVRG <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity</b></p>

**of the protein could make another tag necessary. In case you have a special request, please contact us.**

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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.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

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Grade:

custom-made

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## Target Details

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Target:

SLC15A3

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Alternative Name:

Slc15a3 ([SLC15A3 Products](#))

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Background:

Solute carrier family 15 member 3 (Peptide transporter 3) (Peptide/histidine transporter 2) (cAMP-inducible gene 1 protein),FUNCTION: Proton-coupled amino-acid transporter that transports free histidine and certain di- and tripeptides, and is involved in innate immune response (PubMed:24695226). Also able to transport carnosine (By similarity). Involved in the detection of microbial pathogens by toll-like receptors (TLRs) and NOD-like receptors (NLRs), probably by mediating transport of bacterial peptidoglycans across the endolysosomal membrane: catalyzes the transport of certain bacterial peptidoglycans, such as muramyl dipeptide (MDP), the NOD2 ligand (PubMed:24695226). {ECO:0000250|UniProtKB:Q8IY34, ECO:0000269|PubMed:24695226}.

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Molecular Weight:

64.1 kDa

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## Target Details

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UniProt: [Q8BPX9](#)

## 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