

Datasheet for ABIN7560331  
**SLC39A3 Protein (AA 1-317) (His tag)**



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## Overview

Quantity:	1 mg
Target:	SLC39A3
Protein Characteristics:	AA 1-317
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC39A3 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat Slc39a3 Protein expressed in mammalien cells.
Sequence:	MTKLLVAKVL CMVGVFFFML LGSLLPVKVI EADLEKAHRS KKVLSLCNTF GGGVFLATCF NALLPAVRDK LQQVLSLGIH STDYPLAETL MMVGFFLTVF VEQLVLTFR ERPPFIDLET FNAGSDAGSD SEYESPFVGV GNRSHSLYPE PTAHTHGAGL RLRELGRPGP LRLLSLVFAL SAHSVFEGLA LGLQEEGERV VSLFVGVAIH ETLVAVALGI SMARSAVPLR DAAKLAVTVS AMIPVGIGLG LGIESARVA SSVASALLQG LAGGTFLFVT FLEILAKELE ERSEQLLKVL FLVLGYAVLA GMVFLKW <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>

Characteristics:	Key Benefits: <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li></ul>
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## Product Details

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- 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
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## Target Details

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Target:	SLC39A3
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Alternative Name:	Slc39a3 ( <a href="#">SLC39A3 Products</a> )
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Background:	Zinc transporter ZIP3 (Solute carrier family 39 member 3) (Zrt- and Irt-like protein 3) (ZIP-3),FUNCTION: Transporter for the divalent cation Zn(2+). Mediates the influx of Zn(2+) into cells from extracellular space (PubMed:14525987, PubMed:15634741, PubMed:35169020). Controls Zn(2+) accumulation into dentate gyrus granule cells in the hippocampus (PubMed:35169020). Mediates Zn(2+) reuptake from the secreted milk within the alveolar lumen (PubMed:19458277). {ECO:0000269 PubMed:14525987, ECO:0000269 PubMed:15634741, ECO:0000269 PubMed:19458277, ECO:0000269 PubMed:35169020}.
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Molecular Weight:	34.0 kDa
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UniProt:	<a href="#">Q99K24</a>
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Pathways:	<a href="#">NF-kappaB Signaling</a> , <a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Autophagy</a>
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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
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## Application Details

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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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