

Datasheet for ABIN7551654  
**SLC41A2 Protein (AA 1-573) (His tag)**



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## Overview

Quantity:	1 mg
Target:	SLC41A2
Protein Characteristics:	AA 1-573
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC41A2 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant SLC41A2 Protein expressed in mammalian cells.
Sequence:	MTNSKGRSIT DKTSGGPSSG GGFVDWTLRL NTIQSDKFLN LLLSMVPVIY QKNQEDRHKK ANGIWQDGLS TAVQTFSNRS EQHMEYHSFS EQSFHANNGH ASSCSQKYD DYANYNYCDG RETSETTAML QDEDISSDGD EDAIVEVTPK LPKESSGIMA LQILVPFLA GFGTVSAGMV LDIVQHWVEF RKVTEVFILV PALLGLKGNL EMTLASRLST AVNIGKMDSP IEKWNLIIGN LALKVQATV VGFLAAVA AI LGWIPEGKY YLDHSILLCS SSVATAFIAS LLQGIIMVGV IVGSKKTGIN PDNVATPIAA SFGDLITLAI LAWISQGLYS CLETYYYISP LVGVFFLALT PIWIIIAAKH PATRTVLHSG WEPVITAMVI SSIGGLLIDT TVSDPNLVGI VVYTPVINGI GGNLVAIQAS RISTYLHLHS IPGELPDEPK GCYYPFRFTFF GPGVNNKSAQ VLLLLVIPGH LIFLYTIHLM KSGHTSLTII FIVVYLF GAV LQVFLLWIA DWMVHHFWRK GKDPDSFSIP YLTALGDLLG TALLALS FHF LWLIGDRDGD VGD <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>

## Product Details

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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:** SLC41A2

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**Alternative Name:** SLC41A2 ([SLC41A2 Products](#))

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**Background:** Solute carrier family 41 member 2,FUNCTION: Acts as a plasma-membrane magnesium transporter (PubMed:16984228). Can also mediate the transport of other divalent metal cations in an order of Ba(2+) > Ni(2+) > Co(2+) > Fe(2+) > Mn(2+) (By similarity). {ECO:0000250|UniProtKB:Q8BYR8, ECO:0000269|PubMed:16984228}.

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**Molecular Weight:** 62.5 kDa

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**UniProt:** [Q96JW4](#)

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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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## Application Details

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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