

Datasheet for ABIN7565092

**SLC12A4 Protein (AA 1-1085) (His tag)**[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	SLC12A4
Protein Characteristics:	AA 1-1085
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC12A4 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat Slc12a4 Protein expressed in mammalien cells.
Sequence:	MPHFTVVPVD GPRRGDYDNL EGLSWVDYGE RAEREDSDGQ GNHRENSPFL CPLDASRGND YYDRNLALFE EELDIRPKVS SLLGKLVSYT NLTQGAKEHE EAESGEGGRR RAAKAPSMGT LMGVYLPCLQ NIFGVILFLR LTWMVGTAGV LQALLIVLIC CCCTLLTAIS MSAIATNGVV PAGGSYFMIS RSLGPEFGGA VGLCFYLGTT FAAAMYILGA IEILLTYIAP PAAIFYPSGT HDMSSATLNN MRVYGTIFLT LMTLVVFGV KYVNKFASLF LACVIISILS IYAGGIKSIF DPPVFPVCML GNRTLSDQF DICAQTVVVD NETVATRLWT FFCHSPNLTA DSCDPYFLLN NVTEIPGIPG AAAGVLQENL WSAYLEKGEV VEKHGLPSTD TLGLKESLSL YVADIATSF TVLVGIFFPS VTGIMAGSNR SGLDRDAQKS IPVGTILAIV TTSLVYFSSV ILFGACIEGV VLRDKYGDGV SRNLVVGTLA WPSPWVIVVG SFFSTCGAGL QSLTGAPRL QAIKDNIIIP FLRVFGHGKA NGEPTWALLL TALIAELGIL IASLDMVAPI LSMFFLMCYL FVNLACAVQT LLRTPNWRPR FKYYHWTLSE LGMSLCLALM FVSSWYYALV AMLIAGMIYK YIEYQGAEKE

## Product Details

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WGDGIRGLSL SAARYALLRL EEGPPHTKNW RPQLLVLLKL DEDLHVKYPR LLTFASQLKA  
GKGLTIVGSV IQGSFLESYG EAQAAEQTIK NMMDIEKVKG FCQVVASKV REGLAHLIQS  
CGLGGMRHNS VVLGWPYGWR QSEDPRAWKT FIDTVRCTTA AHLALLVPKN IAFYPSNHER  
YLDGHIDVWW IVHDGGMLML LPFLLRQHKV WKKCRMRIFT VAQMDDNSIQ MKKDLAIFLY  
HLRLEAEVEV VEMHNSDISA YTYERTLMME QRSQMLRQMR LTKTERDREA QLVKDRHSAL  
RLESLYSDEE EESVAGADKI QMTWTRDKYM AEPWDPSHAP DNFRELVHIK PDQSNVRRMH  
TAVKLNEVIV TRSHDARLVL LNMPGPPKNS EGDENYMEFL EVLTEGLERV LLVRGGGREGV ITIYS

**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.**

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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, Western Blot

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### Grade:

custom-made

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## Target Details

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### Target:

SLC12A4

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### Alternative Name:

Slc12a4 ([SLC12A4 Products](#))

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### Background:

Solute carrier family 12 member 4 (Electroneutral potassium-chloride cotransporter 1) (Erythroid K-Cl cotransporter 1) (mKCC1),FUNCTION: Mediates electroneutral potassium-chloride cotransport when activated by cell swelling (PubMed:10564083, PubMed:11551954).

## Target Details

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May contribute to cell volume homeostasis in single cells. May be involved in the regulation of basolateral Cl(-) exit in NaCl absorbing epithelia (Probable). {ECO:0000269|PubMed:10564083, ECO:0000269|PubMed:11551954, ECO:0000305}.

Molecular Weight: 120.6 kDa

UniProt: [Q9JIS8](#)

## 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.

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