

Datasheet for ABIN7563452

SLC12A2 Protein (AA 1-1205) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	SLC12A2
Protein Characteristics:	AA 1-1205
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC12A2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Slc12a2 Protein expressed in mammalien cells.
Sequence:	<p>MEPGPARPRL APAARPGWGR AAGCRRRGGP ARHGRASGQE DATTAGRQAG GGVRGEGTPA AGDGLGRPLG PTPSQSRFQV DPVSENAGRA AAAAAAAAAA AAAAGAAGKE TPAAGKAGGE SGVAKGSEEA KGRFRVNFVD PAASSSADDS LSDAAGVGGD GPNVSFQNGG DTVLSEGSSL HSGGGSGHHQ QYYDTHNT YYLRTFGHNT MDAVPRIDHY RHTAAQLGEK LLRPSLAELH DELEKEPFED GFANGEESTP TRDAVVAYTA ESKGVVKFGW IKGVLVRCML NIWGVMLFIR LSWIVGQAGI GLSVVIAMA TVVTITGLS TSAIATNGFV RGGGAYYLIS RSLGPEFGGA IGLIFAFANA VAVAMYVVG F AETVVELLKE HSILMIDEIN DIRIIGAITV VILGISVAG MEWEAKAQIV LLVILLIAIA DFIGTFISL ESKKPKGFFG YKSEIFNENF GPDFREEETF FSVFAIFFPA ATGILAGANI SGDLADPQSA IPKGTLLAIL ITTVVYIGIA VSVGSCVVRD ATGNVNDTIT TELTNTSAA CKLNDFDFSYC ESNTCSYGLM NNFQVMSMVS GFAPLISAGI FSATLSSALA SLVSAPKIFQ ALCKDNIYPA FQMFAGYK NNEPLRGYIL TFLIALGFIL IAELNVIAPI ISNFFLASYA LINFVSVFHAS</p>

Product Details

LAKSPGWRPA FKYYNMWISL IGAILCCIVM FVINWWAALL TYVIVLGLYI YVITYKKPDVN
WGSSTQALTY LSALQHSIRL SGVEDHVKNF RPQCLVMTGS PNSRPALLHL VHDFTKNVGL
MICGHVHMGP RRQAMKEMSI DQARYQRWLI KNKMKAFYAP VHADDLREGA QYLMQAAGLG
RMKPNTLVLG FKKDWLQADM RDVDMYINLF HDAFDIQFGV VVIRLKEGLD ISHLQGQEEL
LSSQEKSPGT KDVVVNVDYS KKSQDQDTCKS SGEKSITQKD EEEDGKTPTQ PLLKESKGP
IVPLNVADQK LLEASTQFQK KQGKNTIDVW WLFDDGGLTL LIPYLLTTKK KWKDCKIRVF
IGGKINRIDH DRRAMATLLS KFRIDFSDIM VLGDINTKPK KENIAFDDM IEPYRLHEDD
KEQDIADKMK EDEPWITDN ELEYKTKTY RQIRLNELLK EHSSTANIIV MSLPVARKGA
VSSALYMAWL EALSKDLPPV LLVRGNHQSV LTFYS **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.**

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

Grade:

custom-made

Target Details

Target:

SLC12A2

Alternative Name:

Slc12a2 ([SLC12A2 Products](#))

Background:

Solute carrier family 12 member 2 (Basolateral Na-K-Cl symporter) (Bumetanide-sensitive)

Target Details

sodium-(potassium)-chloride cotransporter 2),FUNCTION: Cation-chloride cotransporter which mediates the electroneutral transport of chloride, potassium and/or sodium ions across the membrane (PubMed:14563843, PubMed:32658972). Plays a vital role in the regulation of ionic balance and cell volume (By similarity). {ECO:0000250|UniProtKB:P55011, ECO:0000269|PubMed:14563843, ECO:0000269|PubMed:32658972}.

Molecular Weight: 131.0 kDa

UniProt: [P55012](#)

Pathways: [Sensory Perception of Sound](#)

Application Details

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

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