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Datasheet for ABIN7555341

SLC12A3 Protein (AA 1-1021) (His tag)

Overview

Quantity:	1 mg
Target:	SLC12A3
Protein Characteristics:	AA 1-1021
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC12A3 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SLC12A3 Protein expressed in mammalian cells.
Sequence:	MAELPTTETP GDATLCSGRF TISTLLSSDE PSPPAAYDSS HPSHLTHSST FCMRTFGYNT IDVVPTYEHY ANSTQPGEPK KVRPTLADLH SFLKQEGRHL HALAFDSRPS HEMTDGLVEG EAGTSSEKNP EEPVRFGWVK GVMIRCMLNI WGVILYLRPL WITAQAGIVL TWIILLSVT VTSITGLSIS AISTNGKVKS GGTYFLISRS LGPELGGSIG LIFAFANAVG VAMHTVGFAE TVRDLLQEYG APIVDPINDI RIIAVSVTV LLAISLAGME WESKAQVLFF LVIMVSFANY LVGTLIPPSE DKASKGFFSY RADIFVQNLV PDWRGPDGTF FGMFSIFFPS ATGILAGANI SGDLKDPAIA IPKGTLMMAIF WTTISYLAIS ATIGSCVVRD ASGVLNDDTVT PGWGACEGLA CSYGWNFTEC TQQHSCHYGL INYYQTMSMV SGFAPLITAG IFGATLSSAL ACLVSAAKVF QCLCEDQLYP LIGFFGKGYG KNKEPVRGYL LAYAIAVAFI IIAELNTIAP IISNFFLCSY ALINFSCFHA SITNSPGWRP SFQYYNKWAA LFGAIISSVI MFLLTWWAAL IAIGVVLFLY LYVIYKKPEV NWGSSVQAGS YNLALSYSVG LNEVEDHIKN YRPQCLVLTG PPNFRPALVD FVGTFTRNLS LMICGHVLIG PHKQRMPELQ LIANGHTKWL NKRKIKAFYS DVIAEDLRRG VQILMQAAGL

Product Details

GRMKPNILVV GFKKNWQSAH PATVEDYIGI LHDAFDNFNYG VCVMRMREGL NVSKMMQAH
NPVFDPAEDG KEASARVDPK ALVKEEQATT IFQSEQGKKT IDIYWLFDG GLTLLIPYLL
GRKRRWSKCK IRVFGGQIN RMDQERKAI SLLSKFRLGF HEVHILPDIN QNPRAEHTKR
FEDMIAPFRL NDGFKDEATV NEMRRDCPWK ISDEEITKNR VKSLRQVRLN EIVLDYSRDA
ALIVITLPIG RKGKCPSSLY MAWLETLSQD LRPPVILIRG NQENVLTFYC Q **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.

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.

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: SLC12A3

Alternative Name: SLC12A3 ([SLC12A3 Products](#))

Background: Solute carrier family 12 member 3 (Na-Cl cotransporter) (NCC) (Na-Cl symporter) (Thiazide-sensitive sodium-chloride cotransporter),FUNCTION: Electroneutral sodium and chloride ion cotransporter, which acts as a key mediator of sodium and chloride reabsorption in kidney

Target Details

distal convoluted tubules (PubMed:21613606, PubMed:18270262, PubMed:22009145, PubMed:36351028, PubMed:36792826). Also acts as a receptor for the pro-inflammatory cytokine IL18, thereby contributing to IL18-induced cytokine production, including IFNG, IL6, IL18 and CCL2 (By similarity). May act either independently of IL18R1, or in a complex with IL18R1 (By similarity). {ECO:0000250|UniProtKB:P59158, ECO:0000269|PubMed:18270262, ECO:0000269|PubMed:21613606, ECO:0000269|PubMed:22009145, ECO:0000269|PubMed:36351028, ECO:0000269|PubMed:36792826}.

Molecular Weight: 113.1 kDa

UniProt: [P55017](#)

Application Details

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.

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