

Datasheet for ABIN7562901

## SLC4A3 Protein (AA 1-1227) (His tag)



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### Overview

Quantity:	1 mg
Target:	SLC4A3
Protein Characteristics:	AA 1-1227
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC4A3 protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant Slc4a3 Protein expressed in mammalian cells.
Sequence:	<p>MANGVIPPPG GASPLPQVRV PLEPPPLGPD VEEEDDDLKG TLAVSRFGDL ISKTPAWDPE</p> <p>KPSRSYSERD FEFHRHTSHH THHPLSARLP PPHKLRRPPP TSARHTRRK RKEKTSAPPS</p> <p>EGTPPIQEEG GAGAE EEEEEEE EEEEEGESEA EPVEPLPPGP PQKAKFSIGS DEDDSPGLPV</p> <p>KAPCAKALPS VGLQSDQSPQ RSGSSPSRA RASRISTEKS RPWSPSASYD LRERLCPGSA</p> <p>LGNGPGEQRV PTDEAEAQML GSADLDDMK S HRLEDNPGVR RHLVKKPSRI QGGRGSPSGL</p> <p>APILRRKKKK KKLDRRPHEV FVELNELMLD RSQEPHWRET ARWIKFEEDV EEETERWGKP</p> <p>HVASLSFRSL LELRRTIAQG AALLDLEQTT LPGIAHLVVE TMIVSDQIRP EDRASVLRTL</p> <p>LLKHSHPNDD KDSGFFPRNP SSSSVNSVLG NHHPTPSHGP DGA VPTMADD QGEPAPLWPH</p> <p>DPDAKEKPLH MPGGDGHRGK SLKLEKIPE DAEATVVLVG CVPFLEQPA AFVRLSEAVL</p> <p>LESVLEVPVP VRFLFVMLGP SHTSTDYHEL GRSIATLMSD KLFHEAAYQA DDRQDLLGAI</p> <p>SEFLDGSIVI PPSEVEGRDL LRSVAAFQRE LLKRREREQ TKVEMTTRGG YAAPGKELSL</p> <p>EMGGSEATSE DDPLQRTGSV FGGLVRDVKR RYPHYPSDLR DALHSQCVA VLFIFYAALS</p>

PAITFGGLLG EKTEGLMGVS ELIVSTAVLG VLFSLGAQP LLVVGFSGPL LVFEEAFFKF  
CRAQDLEYLT GRVWVGLWLV VFVLALVAAE GSFLVRYISP FTQEIFAFLI SLIFIYETFH  
KLYKVFTEHP LLPFYPPDEA LETGLELNSS ALPPTGPPG PRNQPNNTALL SLILMLGTFL  
IAFFLRKFRN SRFLGGKARR IIGDFGIPIS ILVMVLVDYS ITDTYTQKLT VPTGLSVTSP  
HKRTWFIPPL GSARPFPPWM MVAAAVPALL VLILIFMETQ ITALIVSQKA RRLKKGSGFH  
LDLLIGSLG GLCGLFGLPW LTAATVRSVT HVNALTVMRT AIAPGDKPQI QEVREQRVTG  
VLIALVGLS IVMGAVLRRI PLAVLFGIFL YMGVTSLSGI QLSQRLLIF MPAKHHPEQP  
YVTKVKTRWM HLFTCIQLGC IALLWVVKST AASLAFPELL LLTVPLRRCL LPRLFQDREL  
QALDSEDAEP NFDEDGQDEY NELHMPV

**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: SLC4A3

## Target Details

Alternative Name:	Slc4a3 ( <a href="#">SLC4A3 Products</a> )
Background:	Anion exchange protein 3 (AE 3) (Anion exchanger 3) (Neuronal band 3-like protein) (Solute carrier family 4 member 3),FUNCTION: Sodium-independent anion exchanger which mediates the electroneutral exchange of chloride for bicarbonate ions across the cell membrane. May be involved in the regulation of intracellular pH , and the modulation of cardiac action potential (By similarity). {ECO:0000250 UniProtKB:P48751, ECO:0000269 PubMed:2686841}.
Molecular Weight:	135.4 kDa
UniProt:	<a href="#">P16283</a>

## 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