

Datasheet for ABIN3113722

SLC4A3 Protein (AA 1-1232) (Strep Tag)



[Go to Product page](#)

Overview

Quantity:	250 µg
Target:	SLC4A3
Protein Characteristics:	AA 1-1232
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC4A3 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Brand:	AliCE®
Sequence:	<p>MANGVIPPPG GASPLPQVRV PLEEPPLSPD VEEEDDDL GK TLAVSRFGDL ISKPPAWDPE</p> <p>KPSRSYSERD FEFHRHTSHH THHPLSARLP PPHKLRLRPP TSARHTRRKR KKEKTSAPPS</p> <p>EGTPPIQEEG GAGVDEEEEE EEEEEGESEA EPVEPPHSGT PQKAKFSIGS DEDDSPGLPG</p> <p>RAAVTKPLPS VGPHTDKSPQ HSSSSPSRA RASRLAGEKS RPWSPSASYD LRERLCPGSA</p> <p>LGNPGGPEQQ VPTDEAEAQM LGSADLDDMK SHRLEDNPGV RRHLVKKPSR TQGGRGSPSG</p> <p>LAPILRRKKK KKKLDRRPHE VFVELNELML DRSQEPHWRE TARWIKFEED VEEETERWGK</p> <p>PHVASLSFRS LLELRRTIAH GAALLDLEQT TLPGIAHLVV ETMIVSDQIR PEDRASVLRT</p> <p>LLLKHSHPND DKDSGFFPRN PSSSSMNSVL GNHHPTPSHG PDGAVPTMAD DLGEPAPLWP</p> <p>HDPDAKEKPL HMPGGDGHRG KSLKLEKIP EDAEATVVLV GCVPFLEQPA AAFVRLNEAV</p> <p>LLESVLEVPV PVRFLFVMLG PSHTSTDYHE LGRSIATLMS DKLFHEAAYQ ADDRQDLLSA</p> <p>ISEFLDGSIV IPPSEVEGRD LLRSVAAFQR ELLRKRRERE QTKVEMTTRG GYTAPGKELS</p>

LELGSEATP EDDPLLRTGS VFGGLVRDVR RRYPHYPSDL RDALHSQCVA AVLFIYFAAL
SPAITFGGLL GEKTEGLMGV SELIVSTAVL GVLFSLLGAQ PLLVVGFSGP LLVFEEAFFK
FCRAQDLEYL TGRVWVGLWL VVFLALVAA EGSFLVRYIS PFTQEIFAFL ISLIFIYETF
YKLYKVFTTEH PLLPFYPPEG ALEGSLDAGL EPNGSALPPT EGPPSPRNQP NTALLSLILM
LGTFFIAFFL RKFRNSRFLG GKARRIIGDF GIPISILVMV LVDYSITDTY TQKLTVP TGL
SVTSPDKRSW FIPPLGSARP FPPWMMVAAA VPALLVLILI FMETQITALI VSQKARRLLK
GSGFHLDLLL IGSLGGLCGL FGLPWLTAA VRSVTHVNAL TVMRTAIAPG DKPQIQEVRE
QRVTGVLIAS LVGLSIVMGA VLRRIPAVL FGIFLYMGVT SLSGIQLSQR LLLILMPAKH
HPEQPYVTKV KTWRMHLFTC IQLGCIALLW VVKSTAASLA FPFLLLLTVP LRHCLLPRLF
QDRELQALDS EDAEPNFDDE GQDEYNELHM PV

Sequence without tag. The proposed Strep-Tag is based on experience s 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 in Germany - from design to production - by highly experienced protein experts.
- Protein expressed with ALiCE® and purified in one-step affinity chromatography
- These proteins are normally active (enzymatically functional) as our customers have reported (not tested by us and not guaranteed).
- 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.

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.

Expression System:

- ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from *Nicotiana tabacum* c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications.
- During lysate production, the cell wall and other cellular components that are not required for protein production are removed, leaving only the protein production machinery and the mitochondria to drive the reaction. During our lysate completion steps, the additional components needed for protein production (amino acids, cofactors, etc.) are added to produce something that functions like a cell, but without the constraints of a living system - all that's needed is the DNA that codes for the desired protein!

Product Details

Concentration:

- The concentration of our recombinant proteins is measured using the absorbance at 280nm.
- The protein's absorbance will be measured against its specific reference buffer.
- We use the ExPASy's ProtParam tool to determine the absorption coefficient of each protein.

Purification:	One-step Strep-tag purification of proteins expressed in Almost Living Cell-Free Expression System (ALiCE®).
---------------	--

Purity:	> 70-80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).
---------	--

Grade:	custom-made
--------	-------------

Target Details

Target:	SLC4A3
---------	--------

Alternative Name:	SLC4A3 (SLC4A3 Products)
-------------------	--

Background:	Anion exchange protein 3 (AE 3) (Anion exchanger 3) (CAE3/BAE3) (Cardiac/brain band 3-like protein) (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 (PubMed:7923606, PubMed:29167417). May be involved in the regulation of intracellular pH , and the modulation of cardiac action potential (PubMed:29167417). {ECO:0000269 PubMed:29167417, ECO:0000269 PubMed:7923606}.
-------------	---

Molecular Weight:	135.8 kDa
-------------------	-----------

UniProt:	P48751
----------	------------------------

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.
--------------------	--

Comment:	ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from <i>Nicotiana tabacum</i> c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications.
----------	--

	During lysate production, the cell wall and other cellular components that are not required for
--	---

Application Details

protein production are removed, leaving only the protein production machinery and the mitochondria to drive the reaction. During our lysate completion steps, the additional components needed for protein production (amino acids, cofactors, etc.) are added to produce something that functions like a cell, but without the constraints of a living system - all that's needed is the DNA that codes for the desired protein!

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.
Standard Storage Buffer: PBS pH 7.4, 10 % Glycerol **Might differ depending on protein.**

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months