

Datasheet for ABIN3124923

## SLC6A17 Protein (AA 1-727) (Strep Tag)



[Go to Product page](#)

### Overview

Quantity:	250 µg
Target:	SLC6A17
Protein Characteristics:	AA 1-727
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC6A17 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

### Product Details

Brand:	AliCE®
Sequence:	<p>MPKNSKVTQR EHSNEHVTES VADLLALEEP VDYKQSVLNV AGETGGKQKV AEEELDTEDR</p> <p>PAWNSKLQYI LAQIGFSVGL GNIWRFPYLC QKNGGGAYLV PYLVLLIIG IPLFFLELAV</p> <p>GQRIRRGSIG VWHYVCPRLG GIGFSSCIVC LFGVLYYNNVI IGWSVFYFFK SFQYPLPWSE</p> <p>CPVIRNGTVA VVEPECEKSS ATTYFWYREA LDISNSISES GGLNWKMTLC LLVAWSIVGM</p> <p>AVVKGIQSSG KVMYFSSLFP YVVLACFLVR GLLLRGAVDG ILHMFTPKLD KMLDPQVWRE</p> <p>AATQVFFALG LGFGGVIAFS SYNKQDNNCH FDAALVSFIN FFTSVLATLV VFAVLGFKAN</p> <p>IMNEKCVVEN AEKILGYLNS NVLSRD LIPP HVNFSLHTTK DYSEMYSVIM TVKEKQFPAL</p> <p>GLDPCLEDE LDKSVQGTGL AFIAFTEAMT HFPASPFWSV MFFLMLINLG LGSMIGTMAG</p> <p>ITTPIIDTFK VPKEMFTVGC CVFAFFVGLL FVQRSGNYFV TMFDDYSATL PLTVIVILEN</p> <p>IAVAWIYGTK KFMQELTEML GFQPYRFYFY MWKFVSPLCM AVLTTASIIQ LGVSPPGYSA</p> <p>WIKKEAAERY LYFPNWAMAL LITLIAVATL PIPVVFILRH FHLLSDGSNT LSVSYKKGRM</p>

MKDISNLEEN DETRFILSKV PSEAPSPMPT HRSYLGPGST SPLDNSNNPN GRYGSGYLLA  
STPESEL

**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!

#### 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®).

---

## Product Details

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

Grade: custom-made

## Target Details

Target: SLC6A17

Alternative Name: Slc6a17 ([SLC6A17 Products](#))

Background: Sodium-dependent neutral amino acid transporter SLC6A17 (Sodium-dependent neurotransmitter transporter NTT4) (Solute carrier family 6 member 17),FUNCTION: Synaptic vesicle transporter with apparent selectivity for neutral amino acids. The transport is sodium-coupled but chloride-independent, likely driven by the proton electrochemical gradient generated by vacuolar H(+)-ATPase in an overall electrogenic mechanism. May contribute to the synaptic uptake of neurotransmitter precursors in a process coupled in part to vesicle exocytosis. {ECO:0000250|UniProtKB:P31662}.

Molecular Weight: 81.1 kDa

UniProt: [Q8BJI1](#)

## 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 *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!

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 <b>Might differ depending on protein.</b>
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months