

Datasheet for ABIN3117549

## SLC26A8 Protein (AA 1-970) (Strep Tag)



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### Overview

Quantity:	250 µg
Target:	SLC26A8
Protein Characteristics:	AA 1-970
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC26A8 protein is labelled with Strep Tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB), ELISA

### Product Details

Brand:	AliCE®
Sequence:	<p>MAQLERSAIS GFSSKSRNS FAYDVKREYV NEETFQEHK RKASSSGNMN INITFRHHV</p> <p>QCRCSWHRFL RCVLTIFPFL EWMCMYRLKD WLLGDLLAGI SVGLVQVPQG LTLSLLARQL</p> <p>IPPLNIAYAA FCSSVIYVIF GSCHQMSIGS FFLVSALLIN VLKVSPFNNG QLVMGSFVKN</p> <p>EFSAPSYLMG YNKSLSVVAT TTFLTGIQL IMGVLGLGFI ATYLPESAMS AYLAVALHI</p> <p>MLSQLTFIG IMISFHAGPI SFFYDIINYC VALPKANSTS ILVFLTVVVA LRINKCIRIS FNQYPIEFPM</p> <p>ELFLIIGFTV IANKISMATE TSQTLIDMIP YSFLLPVTDP FSLLPKIILQ AFSLSLVSSF LLIFLGKKIA</p> <p>SLHNYSVNSN QDLIAIGLCN VVSSFFRSCV FTGAIARTII QDKSGGRQQF ASLVGAGVML</p> <p>LLMVKMGHFF YTLNNAVLG IILSNVIPYL ETISNLPSLW RQDQYDCALW MMTFSSSIFL</p> <p>GLDIGLIISV VSAFFITTVR SHRAKILLLG QIPNTNIYRS INDYREIITI PGVKIFQCCS SITFVNYYL</p> <p>KHKLLKEVDM VKVPLKEEEI FSLFNSSDTN LQGGKICRCF CNCDDLEPLP RILYTERFEN</p> <p>KLDPEASSIN LIHCSHFESM NTSQTASEDQ VPYTVSSVSQ KNQGQYEEV EEVWLPNNSS</p>

RNSSPGLPDV AESQGRRLI PYSDASLLPS VHTIILDFSM VHYVDSRGLV VLRQICNAFQ  
NANILILIAG CHSSIVRAFE RNDFFDAGIT KTQLFLSVHD AVLFALSRKV IGSSSELSIDE SETVIRETYS  
ETDKNDNSRY KMSSSFLGSQ KNVSPGFIKI QQPVEESEL DLELESEQEA GLGLDLDLDR  
ELEPEMEPKA ETETKTQTEM EPQPETEPEM EPNPKSRPRA HTFPQQRYWP MYHPSMASTQ  
SQTQTRTWSV ERRRHPMDSY SPEGNSNEDV

**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.**

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### 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.

## Product Details

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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

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Target:	SLC26A8
Alternative Name:	SLC26A8 ( <a href="#">SLC26A8 Products</a> )
Background:	<p>Testis anion transporter 1 (Anion exchange transporter) (Solute carrier family 26 member 8),FUNCTION: Antiporter that mediates the exchange of sulfate and oxalate against chloride ions across a membrane (PubMed:11834742, PubMed:11278976). Stimulates anion transport activity of CFTR (PubMed:22121115, PubMed:23582645). May cooperate with CFTR in the regulation of chloride and bicarbonate ions fluxes required for activation of the ADCY10/PKA pathway during sperm motility and sperm capacitation (By similarity). May play a role in sperm tail differentiation and motility and hence male fertility (By similarity).</p> <p>{ECO:0000250 UniProtKB:Q8R0C3, ECO:0000269 PubMed:11278976, ECO:0000269 PubMed:11834742, ECO:0000269 PubMed:22121115, ECO:0000269 PubMed:23582645}.</p>
Molecular Weight:	109.0 kDa
UniProt:	<a href="#">Q96RN1</a>
Pathways:	<a href="#">Dicarboxylic Acid Transport</a>

## Application Details

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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:	<p>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.</p> <p>During lysate production, the cell wall and other cellular components that are not required for</p>

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Restrictions: For Research Use only

## Handling

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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