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SNX13 Protein (AA 1-957) (Strep Tag)



Overview

Quantity:	1 mg
Target:	SNX13
Protein Characteristics:	AA 1-957
Origin:	Mouse
Source:	Tobacco (Nicotiana tabacum)
Protein Type:	Recombinant
Purification tag / Conjugate:	This SNX13 protein is labelled with Strep Tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS), ELISA

Product Details

Sequence:

MLTEASLSIW GWGSLGIVLF LITFGPFVIF YLAFYILCFV GGGLVVTLLY GKTNSEKYLE

QCEHSFLPPT SSGVPKCLEE MKREARTIKI DRRLTGANII DEPLQQVIQF SLRDYVQYWY

YTLSDDESFL LEIRQTLQNA LIQFATRSKE IDWQPYFTTR IVDDFGTHLR VFRKAQQRVT

EKDDQVKGTA EDLVETFFEV EVEMEKDVCR DLVCTSPKDE EGFLRDLCEV LLYLLLPPGD

FQSKIMRYFV REILARGILL PLINQLSDPD YINQYVIWMI RDSNCNYEAF MNIIKLSDNI

GELEAVRDKA AEELQYLRSL DTAGDDINTI KNQINSLLFV KKVCDSRIQR LQSGKEINTV

KLAANFGKLC TVPLDSILVD NVALQFFMDY MQQTGGQAHL FFWMTVEGYR VTAQQQLEVL

SGRQRDGKQQ TNQTKGLLRA AAVGIYEQYL SEKASPRVTV DDYLVAKLAD TLNHEDPTPE

IFDDIQRKVY ELMLRDERFY PSFRQNALYV RMLAELDMLK DPSFRGSDDG DGESFNGSPT

GSINLSLDDL SSVTSDDSVQ LHAYISDTGV CNDHGKTYAL YAITVHRRNL NTEEMWKTYR

RYSDFHDFHM RITEQFENLS SILKLPGKKT FNNMDRDFLE KRKKDLNAYL QLLLTPEMMK

ASPALAHCVY DFLENKAYSK GKGDFARKMD TFVNPLRNSM RNVSNAVKSL PDSLAEGVTK

MSDNVGRMSE RLGQDIKQSF FKVPPLITKT DSDPEHCRVS AQLDDNVDDN IPLRVMLLLM DEVFDLKERN QWLRRNIKNL LQQLIRATYG DTINRKIVDH VDWMTSPEQV ADSVKRFRDA FWPNGILAET VPCRDKAIRM RTRIAGKTKL FAIMPDELKH IIGAETTRKG ILRVFEMFQH NQLNRRMVYV FLEGFLETLF PQYKFRELFN KLHSRSKQMQ KYKQKLQSTQ APSLQKR

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 by multi-step, protein-specific process to ensure correct folding and modification.
- 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 will ensure that you receive a correctly folded 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 posttranslational 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 in several dilutions and is measured against its specific reference buffer.

	We use the Expasy's protparam tool to determine the absorption coefficient of each protein.
Purification:	Two step purification of proteins expressed in Almost Living Cell-Free Expression System (ALiCE®):
	1. In a first purification step, the protein is purified from the cleared cell lysate using StrepTag capture material. Eluate fractions are analyzed by SDS-PAGE.
	Protein containing fractions of the best purification are subjected to second purification step through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE and Western blot.
Purity:	≥ 80 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.
Endotoxin Level:	Low Endotoxin less than 1 EU/mg (< 0.1 ng/mg)
Target Details	
Target:	SNX13
Alternative Name:	Snx13 (SNX13 Products)
Background:	Sorting nexin-13,FUNCTION: May be involved in several stages of intracellular trafficking. Acts
	as a GAP for Galphas (By similarity). May play a role in endosome homeostasis. {ECO:0000250 ECO:0000269 PubMed:17077144}.
Molecular Weight:	110.8 kDa
UniProt:	Q6PHS6
Pathways:	Regulation of G-Protein Coupled Receptor Protein Signaling
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
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Application Details

Expiry Date:

	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. If you have a special request, please contact us.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.

Unlimited (if stored properly)