Datasheet for ABIN3094196

NINL Protein (AA 1-1382) (Strep Tag)

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Overview

Quantity:	250 µg
Target:	NINL
Protein Characteristics:	AA 1-1382
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This NINL protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Brand:	AliCE®
Sequence:	MDEEENHYVS QLREVYSSCD TTGTGFLDRQ ELTQLCLKLH LEQQLPVLLQ TLLGNDHFAR VNFEEFKEGF VAVLSSNAGV RPSDEDSSSL ESAASSAIPP KYVNGSKWYG RRSRPELCDA ATEARRVPEQ QTQASLKSHL WRSASLESVE SPKSDEEAES TKEAQNELFE AQGQLQTWDS EDFGSPQKSC SPSFDTPESQ IRGVWEELGV GSSGHLSEQE LAVVCQSVGL QGLEKEELED LFNKLDQDGD GKVSLEEFQL GLFSHEPALL LESSTRVKPS KAWSHYQVPE ESGCHTTTTS SLVSLCSSLR LFSSIDDGSG FAFPDQVLAM WTQEGIQNGR EILQSLDFSV DEKVNLLELT WALDNELMTV DSAVQQAALA CYHQELSYQQ GQVEQLARER DKARQDLERA EKRNLEFVKE MDDCHSTLEQ LTEKKIKHLE QGYRERLSLL RSEVEAEREL FWEQAHRQRA ALEWDVGRLQ AEEAGLREKL TLALKENSRL QKEIVEVVEK LSDSERLALK LQKDLEFVLK DKLEPQSAEL LAQEERFAAV LKEYELKCRD LQDRNDELQA ELEGLWARLP KNRHSPSWSP DGRRRQLPGL GPAGISFLGN SAPVSIETEL MMEQVKEHYQ DLRTQLETKV NYYEREIAAL KRNFEKERKD

MEQARRREVS VLEGQKADLE ELHEKSQEVI WGLQEQLQDT ARGPEPEQMG LAPCCTQALC GLALRHHSHL QQIRREAEAE LSGELSGLGA LPARRDLTLE LEEPPQGPLP RGSQRSEQLE LERALKLQPC ASEKRAQMCV SLALEEEELE LARGKRVDGP SLEAEMQALP KDGLVAGSGQ EGTRGLLPLR PGCGERPLAW LAPGDGRESE EAAGAGPRRR QAQDTEATQS PAPAPAPASH GPSERWSRMQ PCGVDGDIVP KEPEPFGASA AGLEQPGARE LPLLGTERDA SQTQPRMWEP PLRPAASCRG QAERLQAIQE ERARSWSRGT QEQASEQQAR AEGALEPGCH KHSVEVARRG SLPSHLQLAD PQGSWQEQLA APEEGETKIA LEREKDDMET KLLHLEDVVR ALEKHVDLRE NDRLEFHRLS EENTLLKNDL GRVRQELEAA ESTHDAQRKE IEVLKKDKEK ACSEMEVLNR QNQNYKDQLS QLNVRVLQLG QEASTHQAQN EEHRVTIQML TQSLEEVVRS GQQQSDQIQK LRVELECLNQ EHQSLQLPWS ELTQTLEESQ DQVQGAHLRL RQAQAQHLQE VRLVPQDRVA ELHRLLSLQG EQARRRLDAQ REEHEKQLKA TEERVEEAEM ILKNMEMLLQ EKVDKLKEQF EKNTKSDLLL KELYVENAHL VRALQATEEK QRGAEKQSRL LEEKVRALNK LVSRIAPAAL SV

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

Product Details

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

Target Details

Target:	NINL
Alternative Name:	NINL (NINL Products)
Background:	Ninein-like protein,FUNCTION: Involved in the microtubule organization in interphase cells. Overexpression induces the fragmentation of the Golgi, and causes lysosomes to disperse toward the cell periphery, it also interferes with mitotic spindle assembly. Involved in vesicle transport in photoreceptor cells (By similarity). May play a role in ovarian carcinogenesis. {ECO:0000250|UniProtKB:G9G127, ECO:0000269|PubMed:12852856, ECO:0000269|PubMed:16254247, ECO:0000269|PubMed:18538832}.
Molecular Weight:	156.3 kDa
UniProt:	Q9Y2I6
Pathways:	M Phase, SARS-CoV-2 Protein Interactome

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

Application Details

	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 **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