Datasheet for ABIN3130894

TTLL13 Protein (AA 1-804) (Strep Tag)

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Overview

Quantity:	250 µg
Target:	TTLL13
Protein Characteristics:	AA 1-804
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This TTLL13 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Brand:	AliCE®
Sequence:	MEPNNCKTSE SEEDDIEEEE SEEECVREES TTPNSTQQAL RKADYKEFEN GVALSVVAKK IPKKILSATD TDDLEVGRRR RKRKRRPLAI NLTNCKYESV RRAAQMCGLK EVGEDEEWTV YWTDCSVSLE RVMDMKRFQK INHFPGMTEI CRKDLLARNL NRMQKLYPTE YNIFPRTWCL PADYGDFQAY GRQRKTRTYI CKPDSGCQGR GIFITRTPKE IKPGEHMICQ QYITKPFLID GFKFDMRIYV LITSCDPLRI FMYEEGLARF ATMPYVEPSH NNLEEVCMHL TNYAINKHNE NFVRDDAVGS KRKLSTLNAW LREHSHDPQE LWGDIEDIII KTIISAHSVL RHNYRTCFPQ YLCGGTCACF EILGFDILLD HKLKPWLLEV NHSPSFTTDS RLDREVKDAL LCDAMNLVNL RGCDKKKVIE EDKRRVKERL FPCHQQPRET RREQFELSQA AMHDQERYED SHLGGYRRIY PGPDSEKYAP FFKHNGSLFQ ETAASKAREE CARQQLEEIR LKQEQQENPG TKKRKENKEQ NQGESAGEKS RSRTATRVLA TSLAYRNRNR EKELLPVQLD TTQPQDIVEE EELERMKLLL QRENLIRSLG IVEQLTRMLY PSHRSHRKLH EYRPRFHQDG LSSQELQPVN LVPLVLLRGA

	ASEQIPPHFL QPLRPHELIP RILGPLSSIN PAIAQHSRYH LQPKNFNWIG DSAATGPCSL SMKKSGRHYI SSSRVRLTSR KRRKAQHSTK TANGLQSLLI ERLPTSSRLK SSGQDLCLQK AKNTETPRVL QHSKILWGSV KTKR **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

Product Details

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

Target Details

Target:	TTLL13
Alternative Name:	Ttll13 (TTLL13 Products)
Background:	Tubulin polyglutamylase TTLL13 (EC 6.3.2.-) (Tubulin--tyrosine ligase-like protein 13),FUNCTION: Polyglutamylase which modifies tubulin, generating polyglutamate side chains of variable lengths on the gamma-carboxyl group of specific glutamate residues within the C-terminal tail of tubulin (PubMed:17499049). Mediates ATP-dependent polyglutamate side-chain elongation of the polyglutamylation reaction but not the initiation step (PubMed:17499049). Preferentially modifies the alpha-tubulin tail over a beta-tail (PubMed:17499049). {ECO:0000269|PubMed:17499049}.
Molecular Weight:	93.5 kDa
UniProt:	A4Q9F6

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 **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