

Datasheet for ABIN3136879

CLIP1 Protein (AA 1-1391) (Strep Tag)



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Overview

Quantity:	250 µg
Target:	CLIP1
Protein Characteristics:	AA 1-1391
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CLIP1 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Brand:	AliCE®
Sequence:	<p>MSMLKPSGLK APTKILKPGS TALKTPAAAA APVEKTIPSE KASGPPSSET QEEFVDDFRV</p> <p>GERVWVNGNK PGFIQFLGET QFAPGQWAGI VLDEPIGKND GSVAGVRYFQ CEPLKGIFTR</p> <p>PSKLTRKVQA EDEANGLQAA PGRTASPLST AAATMVSSSP ATPSNIPHKP SQSTAKEPSA</p> <p>TPQISNLTKT ASESISNLSE AGSVKKGERE LKVGDRVLVG GTKAGVVRFL GETDFAKGEW</p> <p>CGVELDEPLG KNDGAVAGTR YFQCQPKYGL FAPVHKVTKI GFPSTTPAKA KAAAVRRVMA</p> <p>ATPASLKRSP SASSLSSMSS VASSVSSKPS RTGLLTETSS RYARKISGTT ALQEALKEKQ</p> <p>QHIEQLLAER DLERA EVAKA TSHVGEIEQE LALARDGHDQ HVLELEAKMD QLRTMVEAAD</p> <p>REKVLLNQL EEEKRKVEDL QFRVEEESIT KGDLEVATVS EKSRIMELEK DLALRAQEVA</p> <p>ELRRRLESSK PPGDVDMSLS LLQEISALQE KLEAIHTDHQ GEMTSLKEHF GAREEAFQKE</p> <p>IKALHTATEK LSKENESLRS KLDHANKENS DVIALWWSKL ETAIASHQQA MEELKVSFSK</p> <p>GIGTDSAEFA ELKTQIERLR LDYQHEIESL QSKQDSERSA HAKEMETMQA KLMKIIKEKE</p>

DSLEAVKARL DSAEDQHLVE MEDTLNKLQE AEIKVKELEV LQAKYTEQSE VIGNFTSQLS
AVKEKLLDLD ALRKANSEGG LELETLRQQL EGAEKQIKNL ETERNAESSK ANSITKELQE
KELVLTGLQD SLNQVNQVKE TLEKELQTLK EKFASTSEEA VSAQTRMQDT VNKLHQKEEQ
FNVLSSELEK LRENLTDEA KFKEKDDRED QLVKAKEKLE NDIAEIMKMS GDNSSQLTKM
NDELRLKERS VEELQLKLT ANENASFLQK SIGEVTLKAE QSQQQAARKH EEEKKELEEK
LLELEKKMET SYNQCQDLKA KYEKASSETK TKHEEILQNL QKMLADTEDK LKAAQEANRD
LMQDMEELKT QADKAKAAQT AEDAMQIMEQ MTKEKTETLA SLEDTKQTNA RLQNELDTLK
ENNLKTVEEL NKSHELLSVE NQKMEEFKKE IETLKQAAAQ KSQQLSALQE ENVKLAEELG
RTRDEVTS HQ KLEEEERSVLN NQLLEMKKRE SEFRKDADEE KASLQKSISL TSALLTEKDA
ELEKL RNEVT VLRGENATAK SLHSVVQTLE SDKVKLELKV KNLELQLKEN KRQLSSSSGN
TDAQAEEDER AQESQIDFLN SVIVDLQRKN QDLKMKVEMM SEAALNGNGE DLNSYDSDDDQ
EKQSKKKPRL FCDICDCFDL HDTEDCPTQA QMSPPHST HHGSRSEERP YCEICEMFGH
WATNCNDDDET F

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

Product Details

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

Target Details

Target:	CLIP1
Alternative Name:	Clip1 (CLIP1 Products)
Background:	CAP-Gly domain-containing linker protein 1 (Cytoplasmic linker protein 170) (CLIP-170) (Restin),FUNCTION: Binds to the plus end of microtubules and regulates the dynamics of the microtubule cytoskeleton. Promotes microtubule growth and microtubule bundling. Links cytoplasmic vesicles to microtubules and thereby plays an important role in intracellular vesicle trafficking. Plays a role macropinocytosis and endosome trafficking. {ECO:0000250 UniProtKB:P30622}.
Molecular Weight:	155.8 kDa
UniProt:	Q922J3
Pathways:	Microtubule Dynamics

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.
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Application Details

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 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!</p>
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
Buffer:	<p>The buffer composition is at the discretion of the manufacturer.</p> <p>Standard Storage Buffer: PBS pH 7.4, 10 % Glycerol Might differ depending on protein.</p>
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months