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# CLIP2 Protein (AA 1-1046) (His tag)



**Image** 



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#### Overview

Quantity:	1 mg
Target:	CLIP2
Protein Characteristics:	AA 1-1046
Origin:	Human
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CLIP2 protein is labelled with His tag.
Application:	ELISA, Western Blotting (WB), Crystallization (Crys), SDS-PAGE (SDS)

## **Product Details**

Sequence:

MQKPSGLKPP GRGGKHSSPM GRTSTGSASS SAAVAASSKE GSPLHKQSSG PSSSPAAAAA
PEKPGPKAAE VGDDFLGDFV VGERVWVNGV KPGVVQYLGE TQFAPGQWAG VVLDDPVGKN
DGAVGGVRYF ECPALQGIFT RPSKLTRQPT AEGSGSDAHS VESLTAQNLS LHSGTATPPL
TSRVIPLRES VLNSSVKTGN ESGSNLSDSG SVKRGEKDLR LGDRVLVGGT KTGVVRYVGE
TDFAKGEWCG VELDEPLGKN DGAVAGTRYF QCPPKFGLFA PIHKVIRIGF PSTSPAKAKK
TKRMAMGVSA LTHSPSSSSI SSVSSVASSV GGRPSRSGLL TETSSRYARK ISGTTALQEA
LKEKQQHIEQ LLAERDLERA EVAKATSHIC EVEKEIALLK AQHEQYVAEA EEKLQRARLL
VESVRKEKVD LSNQLEEERR KVEDLQFRVE EESITKGDLE TQTQLEHARI GELEQSLLLE
KAQAERLLRE LADNRLTTVA EKSRVLQLEE ELTLRRGEIE ELQQCLLHSG PPPPDHPDAA
EILRLRERLL SASKEHQRES GVLRDKYEKA LKAYQAEVDK LRAANEKYAQ EVAGLKDKVQ
QATSENMGLM DNWKSKLDSL ASDHQKSLED LKATLNSGPG AQQKEIGELK AVMEGIKMEH
QLELGNLQAK HDLETAMHVK EKEALREKLQ EAQEELAGLQ RHWRAQLEVQ ASQHRLELQE

AQDQRRDAEL RVHELEKLDV EYRGQAQAIE FLKEQISLAE KKMLDYERLQ RAEAQGKQEV ESLREKLLVA ENRLQAVEAL CSSQHTHMIE SNDISEETIR TKETVEGLQD KLNKRDKEVT ALTSQTEMLR AQVSALESKC KSGEKKVDAL LKEKRRLEAE LETVSRKTHD ASGQLVLISQ ELLRKERSLN ELRVLLLEAN RHSPGPERDL SREVHKAEWR IKEQKLKDDI RGLREKLTGL DKEKSLSDQR RYSLIDRSSA PELLRLQHQL MSTEDALRDA LDQAQQVEKL MEAMRSCPDK AQTIGNSGSA NGIHQQDKAQ KQEDKH

Sequence without tag. Tag location is at the discretion of the manufacturer. If you have a special request, please contact us.

#### Characteristics:

- · Made in Germany from design to production by highly experienced protein experts.
- Human CLIP2 Protein (raised in Insect Cells) purified by multi-step, protein-specific process to ensure crystallization grade.
- 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.

In the unlikely event that the protein cannot be expressed or purified we do not charge anything (other companies might charge you for any performed steps in the expression process for custom-made proteins, e.g. fees might apply for the expression plasmid, the first expression experiments or purification optimization).

When you order this made-to-order protein you will only pay upon receival of the correctly folded protein. With no financial risk on your end you can rest assured that our experienced protein experts will do everything to make sure that you receive the protein you ordered. 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.

The concentration of the protein is calculated using its specific absorption coefficient. We use the Expasy's protparam tool to determine the absorption coefficient of each protein.

## Purification:

Two step purification of proteins expressed in baculovirus infected SF9 insect cells:

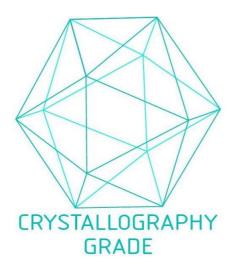
- 1. In a first purification step, the protein is purified from the cleared cell lysate using three different His-tag capture materials: high yield, EDTA resistant, or DTT resistant. Eluate fractions are analyzed by SDS-PAGE.
- Protein containing fractions of the best purification are subjected to second purification step through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE and Western blot.

Product Details	
Purity:	>95 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.
Sterility:	0.22 µm filtered
Endotoxin Level:	Protein is endotoxin free.
Grade:	Crystallography grade
Target Details	
Target:	CLIP2
Alternative Name:	CLIP2 (CLIP2 Products)
Background:	Seems to link microtubules to dendritic lamellar body (DLB), a membranous organelle predominantly present in bulbous dendritic appendages of neurons linked by dendrodendritic gap junctions. May operate in the control of brain-specific organelle translocations (By similarity). {ECO:0000250}.
Molecular Weight:	116.8 kDa Including tag.
UniProt:	Q9UDT6
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 gurantee though.
Comment:	In cases in which it is highly likely that the recombinant protein with the default tag will be insoluble our protein lab may suggest a higher molecular weight tag (e.g. GST-tag) instead to increase solubility. We will discuss all possible options with you in detail to assure that you receive your protein of interest.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	100 mM NaCL, 20 mM Hepes, 10% glycerol. pH value is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.

## Handling

Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	Unlimited (if stored properly)

## **Images**



**Image 1.** "Crystallography Grade" protein due to multi-step, protein-specific purification process