

Datasheet for ABIN3091596

CLTCL1 Protein (AA 2-1640) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	1 mg
Target:	CLTCL1
Protein Characteristics:	AA 2-1640
Origin:	Human
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CLTCL1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Crystallization (Crys), ELISA, Western Blotting (WB)

Product Details

Sequence:	AQILPVRFQE HFQLQNLGIN PANIGFSTLT MESDKFICIR EKVGEQAQVT IIDMSDPMAP IRRPISAESA IMNPASKVIA LKAGKTLQIF NIEMKSKMKA HTMAEEVIFW KWVSVNTVAL VTETAVYHWS MEGDSQPMKM FDRHTSLVGC QVIHYRTDEY QKWLLLVGIS AQQNRVVGAM QLYSVDRKVS QPIEGHAAAF AEFKMEGNAK PATLFCFAVR NPTGGKLHII EVGQPAAGNQ PFVKKAVDVF FPPEAQNDFF VAMQIGAKHG VIYLITKYGY LHLYDLESGV CICMNRISAD TIFVTAPHKP TSGIIGVNKK GQVLSVCVEE DNIVNYATNV LQNPDLGLRL AVRSNLAGAE KLFVRKFNTL FAQGSYAEAA KVAASAPKGI LRTRETVQKF QSIPAQSGQA SPLQYFGIL LDQGQLNKLE SLELCHLV LQ QGRKQLLEKW LKEDKLECSE ELGDLVKTTD PMLALSVYLR ANVPSKVIQC FAETGQFQKI VLYAKKVG YT PDWIFLLRGV MKISPEQGLQ FSRMLVQDEE PLANISQIVD IFMENSLIQ Q CTSFLLDALK NNRPAEGLLQ TWLLEMNLVH APQVADAILG NKMFTHYDRA HIAQLCEKAG LLQQALEHYT DLYDIKRAVV HTHLLNPEWL VNFFGSLSVE DSVECLHAML SANIRQNLQL CVQVASKYHE QLGTQALVEL FESFKSYKGL FYFLGSIVNF
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SQDPDVHLKY IQAACKTGQI KEVERICRES SCYNPERVKN FLKEAKLTDQ LPLIIVCDRF
GFVHDLVLYL YRNNLQRYIE IYVQKVNPSR TPAVIGGLLD VDCSEEVIKH LIMAVRGQFS
TDELVAEVEK RNRLKLLLPW LESQIQEGCE EPATHNALAK IYDSNNSPE CFLRENAYYD
SSVVGRYCEK RDPHLACVAY ERGQCDLELI KVCNENSLFK SEARYLVCRK DPDLWAHVLE
ETNPSRRQLI DQVVQTALSE TRDPPEISVT VKAFMTADLP NELIELLEKI VLDNSVFSEH
RNLQNLLILT AIKADRTRVM EYISRLDNYD ALDIASIAVS SALYEEAFTV FHKFDMNASA
IQVLIEHIGN LDRAVEFAER CNEPAVWSQL AQAQLQKDLV KEAINSYIRG DDPSSYLEV
QSASRSNNWE DLVKFLQMAR KKGRESYIET ELIFALAKTS RVSELEDFIN GPNNAHIIQV
GDRCYEEGMY EAAKLLYSNV SNFARLASTL VHLGEYQAAV DNSRKASSTR TWKEVCFACM
DGQEFRFAQL CGLHIVIHAD ELEELMCYYQ DRGYFEELIL LLEAALGLER AHMGMFTELA
ILYSKFKPQK MLEHLELFWS RVNIPKVLRA AEQAHLWAEV VFLYDKYEEY DNAVLTMMSH
PTEAWKEGQF KDIITKVANV ELCYRALQFY LDYKPLLIND LLLVLSPLRD HTWTVSFFSK
AGQLPLVKPY LRSVQSHNNK SVNEALNHLL TEEEDYQGLR ASIDAYDNFD NISLAQGLEK
HQLMEFRCIA AYLYKGNNWW AQSVELCKKD HLYKDAMQHA AESRDAELAQ KLLQWFLEEG
KRECFAACLF TCYDLLRPDM VLELAWRHNL VDLAMPYFIQ VMREYLSKVD KLDALSLRK
QEEHVTEPAP LVDFDFGHE

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 CLTCL1 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 receipt 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.

Product Details

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. 2. 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:	>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:	CLTCL1
Alternative Name:	CLTCL1 (CLTCL1 Products)
Background:	Clathrin is the major protein of the polyhedral coat of coated pits and vesicles. Two different adapter protein complexes link the clathrin lattice either to the plasma membrane or to the trans-Golgi network (By similarity). {ECO:0000250}.
Molecular Weight:	187.9 kDa Including tag.
UniProt:	P53675

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:	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

Application Details

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.
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