

Recombinant Human Clathrin, Light Chain A, His-tagged

Cat. No. CLTA-6787H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant humanCLTA protein, fused to His-tag at N-terminus, was expressed in E.coli andpurified by using conventional chromatography techniques
Species	Human
Source	E.coli
Description	Clathrin, lightchain A, also known as CLTA, belongs to the clathrin family. Clathrin is a large, soluble protein composed of heavy and light chains. It is a majorcytosolic coat protein in pits and vesicles originating from the plasmamembrane and the trans-Golgi network. In receptor-mediated endocytosis,receptor proteins are captured by Clathrin-coated vesicles. CLTA is one oftwo clathrin light chain proteins which are believed to function asregulatory elements
Form	Liquid. In 20mMTris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol
Molecular Weight	26.2 kDa (242aa),confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)
Purity	> 90% by SDS -PAGE
Concentration	1 mg/ml (determinedby Bradford assay)
Sequences of aminoacids	MGSSHHHHHHSSGLVPRGSH MGSMAELDP FGAPAGAPGG PALGNGVAGA GE EDPAAAFLL AQQESEIAGI ENDEAFAILDGGAPGPQPHGEPPGGPDVDGVMNGEY

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

YQE SNGPTDSYAA ISQVDRLQSE PESIRKWREE QMERLEALDA NSRKQEAEWK
EKAIKELEEWYARQDEQLQKTKANNRAAEEAFVNDIDESS PGTEWERVER LCDFN
PKSSK QAKDVSRMRS VLISLKQAPL VH

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles

Official symbol

CLTA

GENE INFORMATION

Gene Name

CLTA clathrin, light chain A[Homo sapiens]

Synonyms

clathrin, light chain A; OTTHUMP00000215626; clathrin, light polypeptide (Lca); OTTHUMP00000215628; Lca; clathrin light chain A; OTTHUMP00000021365; OTTHUMP00000021366; OTTHUMP00000215627

Gene ID

1211

mRNA Refseq

NM_001833

Protein Refseq

NP_001824

MIM

118960

UniProt ID

P09496

Chromosome Location

9p13

Pathway

Arf1 pathway, organism-specific biosystem; Axon guidance, organism-

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

specificbiosystem; Bacterial invasion of epithelial cells, organism-specificbiosystem; Bacterial invasion of epithelial cells, conserved biosystem; C-MYBtranscription factor network, organism-specific biosystem; Clathrin derivedvesicle budding, organism-specific biosystem

Function

molecular_function;peptide binding; structural molecule activity

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA