

Recombinant human CLTA protein

Catalog Number: ATGP1560

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-218aa

UniProt No.

P09496

NCBI Accession No.

NP_001824

Alternative Names

Clathrin light chain A, Clathrin, light chain A, LCA

PRODUCT SPECIFICATION

Molecular Weight

26.2 kDa (242aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

Clathrin, light chain 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 major cytosolic coat protein in pits and vesicles originating from the plasma membrane and the trans-Golgi network. In receptor-mediated endocytosis, receptor proteins are captured by Clathrin-coated vesicles. CLTA is one of two clathrin light chain proteins which are believed to function as regulatory elements. Recombinant human CLTA protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

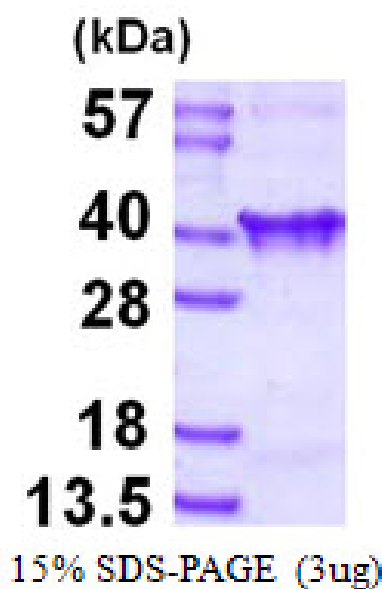
MGSSHHHHHH SSGLVPRGSH MGSHEMAELDP FGAPAGAPGG PALGNGVAGA GEEDPAAAF AQQESEIAGI ENDEAFAILD
GGAPGPQPHG EPPGGPDAVD GVMNGEYYQE SNGPTDSYAA ISQVDRLQSE PESIRKWREE QMERLEALDA
NSRKQEA EWK EKAIKELEEW YARQDEQLQK TKANNRAAEE AFVNDIDESS PGTEWERVER LCDFNPKSSK QAKDVSRMRS
VLISLKQAPL VH

General References

Kirchhausen T., et al. (1987) Proc Natl Acad Sci uSA. 84:8805-8809.
Liu S H., et al. (1995) Cell. 83: 257-267.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.