

Product datasheet for **AR50384PU-S**

Clathrin light chain A (1-218, His-tag) Human Protein

Product data:

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|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type: | Recombinant Proteins |
| Description: | Clathrin light chain A (1-218, His-tag) human recombinant protein, 0.1 mg |
| Species: | Human |
| Expression Host: | E. coli |
| Expression cDNA Clone or AA Sequence: | MGSSHHHHHH SSGLVPRGSH MGSHEMAELDP FGAPAGAPGG PALGNGVAGA GEEDPAAAFL AQQESEIAGI ENDEAFALD GGAPGPQPHG EPPGGPDAVD GVMNGEYYQE SNGPTDSYAA ISQVDRLQSE PESIRKWREE QMERLEALDA NSRKQAEWK EKAIKELEEW YARQDEQLQK TKANNRAAEE AFVNDIDESS PGTEWERVAR LCDFNPKSSK QAKDVS RMRS VLISLKQAPL VH |
| Tag: | His-tag |
| Predicted MW: | 26.2 kDa |
| Concentration: | lot specific |
| Purity: | >90% by SDS - PAGE |
| Buffer: | Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol |
| Preparation: | Liquid purified protein |
| Protein Description: | Recombinant human CLTA protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. |
| Storage: | Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| RefSeq: | NP_001070145 |
| Locus ID: | 1211 |
| UniProt ID: | P09496 |
| Cytogenetics: | 9p13.3 |
| Synonyms: | LCA |



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Summary:

Clathrin is a large, soluble protein composed of heavy and light chains. It functions as the main structural component of the lattice-type cytoplasmic face of coated pits and vesicles which entrap specific macromolecules during receptor-mediated endocytosis. This gene encodes one of two clathrin light chain proteins which are believed to function as regulatory elements. Alternative splicing results in multiple transcript variants. Related pseudogenes have been identified on chromosomes 8 and 12. [provided by RefSeq, May 2010]

Protein Pathways:

Endocytosis, Huntington's disease, Lysosome

Product images: