

## Recombinant Mouse Clta Protein, MYC/DDK-tagged

**Cat. No.** Clta-903M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of full-length mouse clathrin, light polypeptide (Lca) (Clta), with C-terminal MYC/DDK tag, was expressed in HEK293T cells.                                                                                                                                                                                                                                                                                                                       |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>      | 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 encoding different isoforms. |
| <b>Molecular Mass</b>   | 27.5 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Purity</b>           | >80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                  |
| <b>Storage</b>          | Store at -80 centigrade after receiving vials.                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Concentration</b>    | >50 g/mL as determined by microplate BCA method                                                                                                                                                                                                                                                                                                                                                                                                                                |

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**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

|                        |                                                                                                             |
|------------------------|-------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | Clta clathrin, light polypeptide (Lca) [ Mus musculus (house mouse) ]                                       |
| <b>Official Symbol</b> | Clta                                                                                                        |
| <b>Synonyms</b>        | Clta; clathrin, light polypeptide (Lca); Lca; AV026556; clathrin light chain A; clathryn light chain (LCA2) |
| <b>Gene ID</b>         | 12757                                                                                                       |
| <b>mRNA Refseq</b>     | NM_001080385                                                                                                |
| <b>Protein Refseq</b>  | NP_001073854                                                                                                |
| <b>UniProt ID</b>      | B1AWD9                                                                                                      |

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