

## Recombinant Human CLTC Protein, His&GST-tagged

**Cat. No.** CLTC-802H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human CLTC Protein (Ala2-Pro242) with His&GST tag was expressed in E. coli.                                                                                                                                                                                                                                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | Ala2-Pro242                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | Clathrin is a major protein component of the cytoplasmic face of intracellular organelles, called coated vesicles and coated pits. These specialized organelles are involved in the intracellular trafficking of receptors and endocytosis of a variety of macromolecules. The basic subunit of the clathrin coat is composed of three heavy chains and three light chains. |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                         |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 56.7 kDa; Accurate Molecular Mass: 57 kDa                                                                                                                                                                                                                                                                                                         |
| <b>Purity</b>           | > 90%                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Applications</b>     | Positive Control; Immunogen; SDS-PAGE; WB.                                                                                                                                                                                                                                                                                                                                  |
| <b>Stability</b>        | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for                                                                                                                                                                                               |

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48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

**Storage**

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

**Storage Buffer**

PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

**Reconstitution**

Reconstitute in PBS or others.

## GENE INFORMATION

**Gene Name**

CLTC clathrin, heavy chain (Hc) [ Homo sapiens (human) ]

**Official Symbol**

CLTC

**Synonyms**

CLTC; clathrin, heavy chain (Hc); clathrin, heavy chain, clathrin, heavy polypeptide (Hc), clathrin, heavy polypeptide like 2, CLTCL2; clathrin heavy chain 1; Hc; clathrin, heavy polypeptide (Hc); clathrin, heavy polypeptide-like 2; clathrin heavy chain on chromosome 17; CHC; CHC17; CLH-17; CLTCL2; KIAA0034;

**Gene ID**

1213

**mRNA Refseq**

NM\_004859

**Protein Refseq**

NP\_004850

**MIM**

118955

**UniProt ID**

Q00610

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