

## Recombinant Mouse Ctns Protein, Myc/DDK-tagged

**Cat. No.** Ctns-2363M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                             |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length cystinosis, nephropathic (Ctns), with C-terminal MYC/DDK tag, expressed in HEK293T cells.                                                                                 |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                       |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                      |
| <b>Description</b>      | Cystine/H <sup>+</sup> symporter thought to transport cystine out of lysosomes. Plays an important role in melanin synthesis, possibly by preventing melanosome acidification and subsequent degradation of tyrosinase TYR. |
| <b>Molecular Mass</b>   | 42.7 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 µg/mL as determined by microplate BCA method                                                                                                                                                                            |
| <b>Storage Buffer</b>   | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                       |

### GENE INFORMATION

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

|                 |                                                                |
|-----------------|----------------------------------------------------------------|
| Gene Name       | Ctns cystinosis, nephropathic [ Mus musculus (house mouse) ]   |
| Official Symbol | Ctns                                                           |
| Synonyms        | CTNS; cystinosis, nephropathic; cystinosin; AI195360; AW049661 |
| Gene ID         | 83429                                                          |
| mRNA Refseq     | NM_031251                                                      |
| Protein Refseq  | NP_112541                                                      |
| UniProt ID      | P57757                                                         |

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