

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

Cat. No. Ctns-01M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of full length mouse 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 ug/mL as determined by microplate BCA method
<b>Storage Buffer</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Full Length</b>	Full L.

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## GENE INFORMATION

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

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