

## Recombinant Human CTNS Protein, MYC/DDK-tagged

Cat. No. CTNS-2091H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of Homo sapiens cystinosis, nephropathic (CTNS), transcript variant 2 with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	This gene encodes a seven-transmembrane domain protein that functions to transport cystine out of lysosomes. Its activity is driven by the H <sup>+</sup> electrochemical gradient of the lysosomal membrane. Mutations in this gene cause cystinosis, a lysosomal storage disorder. Alternative splicing results in multiple transcript variants.
<b>Molecular Mass</b>	41.6 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.
<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.

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## GENE INFORMATION

**Gene Name** CTNS cystinosin, lysosomal cystine transporter [ Homo sapiens (human) ]

**Official Symbol** CTNS

**Synonyms** CTNS; cystinosin, lysosomal cystine transporter; PQLC4; SLC66A4; CTNS-LSB; cystinosin; cystinosis nephropathic

**Gene ID** 1497

**mRNA Refseq** NM\_004937

**Protein Refseq** NP\_004928

**MIM** 606272

**UniProt ID** O60931



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