

Recombinant Human CTNS Protein, MYC/DDK-tagged

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

SPECIFICATION

Product Overview	Purified recombinant protein of Homo sapiens cystinosis, nephropathic (CTNS), transcript variant 2 with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Human
Source	HEK293
Description	This gene encodes a seven-transmembrane domain protein that functions to transport cystine out of lysosomes. Its activity is driven by the H ⁺ electrochemical gradient of the lysosomal membrane. Mutations in this gene cause cystinosis, a lysosomal storage disorder. Alternative splicing results in multiple transcript variants.
Molecular Mass	41.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

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

Official Symbol CTNS

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

Gene ID 1497

mRNA Refseq NM_004937

Protein Refseq NP_004928

MIM 606272

UniProt ID O60931



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