

Recombinant Mouse Ctns Protein, Myc/DDK-tagged

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

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length cystinosis, nephropathic (Ctns), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Cystine/H ⁺ 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.
Molecular Mass	42.7 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 after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 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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