

Product datasheet for TP313151L

CTNS (NM_004937) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens cystinosis, nephropathic (CTNS), transcript variant 2, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC213151 representing NM_004937 Red=Cloning site Green=Tags(s)
	MIRNWLTI FILFPLKLVKCESSVSLTVPPVVKLENGSSTNVSLTLRPPLNATLVITFEITFRSKNITIL ELPDEVVWPPGVTNSSFQVTSQNVGQLTVYLHGNHNSNQTGPRIRFLVIRSSAISIIINQVIGWIYFVAWSI SFYPQVIMNWRRKSVIGLSFDFVALNLTGFVAYSVFNIGLLWVPYIKEQFLKYPNGVNPVNSNDVFFSL HAVVLTIIIVQCCLYERGGQRVSWPAIGFLVLAWLFAFVTMIVAAGVITWLQFLFCFSYIKLAVTLVK YFPQAYMNFYYKSTEGWSIGNVLLDFTGGSFLLQMFLQSYNNDQWTLIFGDPTKFGGLGVFSIVFDWVFF IQHFCLYRKRPGYDQLN
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	41.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_004928</u>



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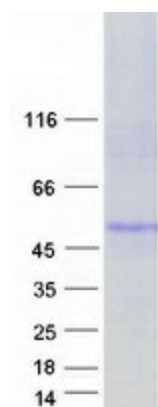
Locus ID: 1497
UniProt ID: [O60931](#), [A0A0S2Z3K3](#)
RefSeq Size: 2611
Cytogenetics: 17p13.2
RefSeq ORF: 1101
Synonyms: CTNS-LSB; PQLC4; SLC66A4

Summary: 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. [provided by RefSeq, Jul 2009]

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Lysosome

Product images:



Coomassie blue staining of purified CTNS protein (Cat# [TP313151]). The protein was produced from HEK293T cells transfected with CTNS cDNA clone (Cat# [RC213151]) using MegaTran 2.0 (Cat# [TT210002]).