Recombinant Human CTNS Protein, GST-tagged

Cat. No. CTNS-2090H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CTNS full-length ORF (AAH32850.1, 1 a.a. - 400 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq, Jul 2009]
Molecular Mass	71.5 kDa
AA Sequence	MIRNWLTIFILFPLKLVEKCESSVSLTVPPVVKLENGSSTNVSLTLRPPLNATLVITFEIT FRSKNITILELPDEVVVPPGVTNSSFQVTSQNVGQLTVYLHGNHSNQTGPRIRFLVIR SSAISIINQVIGWIYFVAWSISFYPQVIMNWRRKSVIGLSFDFVALNLTGFVAYSVFNIG LLWVPYIKEQFLLKYPNGVNPVNSNDVFFSLHAVVLTLIIIVQCCLYERGGQRVSWPA IGFLVLAWLFAFVTMIVAAVGVITWLQFLFCFSYIKLAVTLVKYFPQAYMNFYYKSTEG WSIGNVLLDFTGGSFSLLQMFLQSYNNDQWTLIFGDPTKFGLGVFSIVFDVVFFIQHF CLYRKRPGLQAARTGSGSRLRQDWAPSLQPKALPQTTSVSASSLKG
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

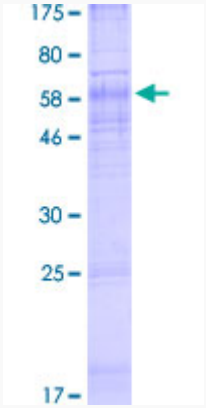
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	CTNS cystinosin, lysosomal cystine transporter [Homo sapiens]
Official Symbol	CTNS
Synonyms	CTNS; cystinosin, lysosomal cystine transporter; cystinosis, nephropathic; cystinosin; CTNS LSB; PQLC4; CTNS-LSB;
Gene ID	1497
mRNA Refseq	NM_001031681
Protein Refseq	NP_001026851
MIM	606272
UniProt ID	O60931

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Quality Control Testing:	 12.5% SDS-PAGE Stained with Coomassie Blue.

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