

Recombinant Full Length Human CTNS Protein, GST-tagged

Cat. No. CTNS-2320HF 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 In Vitro Cell Free System

ProteinLength 400 amino acids

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

```
MIRNWLTI FILFPLKLV EKCESSVSLTVPPVVKLENGSSTNVSLTLRPPLNATLVITFEIT
FRSKNITILELPDEVVPPGV TNS SFQVTSQNVGQLTVYLHGNHNSNQTGPRIRFLVIR
SSAISIINQVIGWIYFVAWSISFY PQVIMNWRRKSVIGLSFDFVALNLTGFVAYSVFNIG
LLWVPYIKEQFLLKYPNGVNPVNSNDVFFSLHAVVLTIIIVQCCLYERGGQRVSWPA
IGFLVLAWLFAFVTMIVA AVGVITWLQFLFCFSYIKLAVTLVKYFPQAYMNFYYKSTEG
WSIGNVLLDFTGGSF SLLQMFLQSYNNDQWTLIFGDPTKFG LGVFSIVFDVFFIQHF
CLYRKR PGLQAARTGSGSRLRQDWAPSLQP KALPQTTSVSASSLKG
```

 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



Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) 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

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