

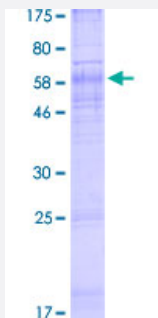
Full-Length

CTNS (Human) Recombinant Protein (P01)

Catalog # H00001497-P01

Size 2 ug

Applications



Specification

Product Description

Human CTNS full-length ORF (AAH32850.1, 1 a.a. - 400 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MIRNWLTIILFPLKLVEKCESSVSLTVPPVVKLENGSSTNVSLTLRPPLNATLVITFEITFRSKNITILE
LPDEVVVPPGVTNSSFQVTSQNVGQLTVYLHGNHNSQTGPRIRFLVIRSSAISINQVIGWYFVAWSI
SFYPQVIMNWRRKSVIGLSFDFVALNLGTFVAYSVFNIGLLWVPYKEQFLKYPNGVNPVNSNDVF
FSLHAVVLTIIIVQCCLYERGGQRVSWPAIGFLVLAWLFAFVTMMAAVGVITWLQFLFCFSYIKLAV
TLVKYFPQAYMNFYKSTEGWSIGNVLLDFTGGSFLLQMFLQSYNNDQWTLIFGDPTKFGGLGVFS
VFDVVFIFQHFCLYRKRPLQAARTGSGSRLRQDWAPSLQPKALPQTTSVSASSLKG

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

71.5

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CTNS

Entrez GeneID [1497](#)

GeneBank Accession# [BC032850.2](#)

Protein Accession# [AAH32850.1](#)

Gene Name CTNS

Gene Alias CTNS-LSB, PQLC4

Gene Description cystinosis, nephropathic

Omim ID [219750](#) [219800](#) [219900](#) [606272](#)

Gene Ontology [Hyperlink](#)

Gene 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]

Other Designations -

Pathway

- [Lysosome](#)

Disease

- [Hypertension](#)