

Recombinant Human CTSH Protein, GST-tagged

Cat. No. CTSH-2108H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CTSH full-length ORF (NP_004381.2, 1 a.a. - 335 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	The protein encoded by this gene is a lysosomal cysteine proteinase important in the overall degradation of lysosomal proteins. It is composed of a dimer of disulfide-linked heavy and light chains, both produced from a single protein precursor. The encoded protein, which belongs to the peptidase C1 protein family, can act both as an aminopeptidase and as an endopeptidase. Increased expression of this gene has been correlated with malignant progression of prostate tumors. Alternate splicing of this gene results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jan 2016]
Molecular Mass	63.8 kDa
AA Sequence	MWATLPLLCAWALLGVPCGAELCVNSLEKFHFKSWMSKHRKTYSTEEYHHRL QTFASNWRKINAHNNGNHTFKMALNQFSDMSFAEIKHKYLWSEPQNCSATKSNYLR GTGPYPSPVDWRKKGNFVSPVKNQGACGSCWTFSTTGALESAIAIATGKMLSLAEQ QLVDCAQDFNNHGCQGGLPSQAFEYILYNKGIMGEDTYPYQGKDG YCKFQPGKAI GFVKDVANITIYDEEAMVEAVALYNPVSF AFEVTQDFMMYRTGIYSSTSCHKTPDKV NHAVLAVGYGEKNGIPYWIVKNSWGPQWGMNGYFLIERGKNMCGLAACASYPIPLV

 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.

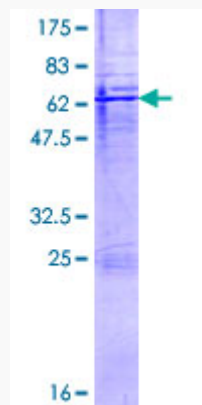
GENE INFORMATION

Gene Name	CTSH cathepsin H [Homo sapiens]
Official Symbol	CTSH
Synonyms	CTSH; cathepsin H; CPSB; pro-cathepsin H; ACC 4; ACC 5; aleurain; cathepsin B3; cathepsin BA; N-benzoylarginine-beta-naphthylamide hydrolase; ACC-4; ACC-5; minichain; MGC1519; DKFZp686B24257;
Gene ID	1512
mRNA Refseq	NM_004390
Protein Refseq	NP_004381
MIM	116820
UniProt ID	P09668

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Quality Control**Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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