

Recombinant Full Length Human CTSH Protein, GST-tagged

Cat. No. CTSH-2352HF 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	In Vitro Cell Free System
ProteinLength	335 amino acids
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	MWATLPLLCAGAWLLGVPVCGAAELCVNSLEKFHFKSWMSKHRKTYSTEEYHHRL QTFASNWRKINAHNNGNHTFKMALNQFSDMSFAEIKHKYLWSEPQNCSATKSNYLR GTGPYPSPVDWRKKGNFVSPVKNQGACGSCWTFSTTGALESIAIATGKMLSLAEQ QLVDCAQDFNNHGCQGGGLPSQAFEYILYNKGIMGEDTYPYQGKGDGYCKFQPGKAI GFVKDVANITIYDEEAMVEAVALYNPVSFAFEVTQDFMMYRTGIYSSTSCHKTPDKV

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NHAVLAVGYGEKNGIPYWIVKNSWGPQWGMNGYFLIERGKNMCGLAACASYPIPLV

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

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UniProt ID

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