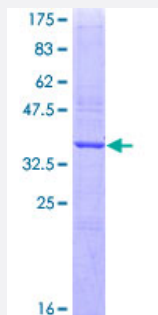


CTSH (Human) Recombinant Protein (Q01)

Catalog # H00001512-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CTSH partial ORF (NP_004381.2, 236 a.a. - 334 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	EEAMVEAVALYNPVSF AFEVTQDFMMYRTGYSSTSCHKTPDKVNHAVLAVGYGEKNGIPYWIVK NSWGPQWGMNGYFLIERGKNMCGLAACASYIPL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
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 — CTSH

Entrez GeneID [1512](#)

GeneBank Accession# [NM_004390](#)

Protein Accession# [NP_004381.2](#)

Gene Name CTSH

Gene Alias ACC-4, ACC-5, CPSB, DKFZp686B24257, MGC1519, minichain

Gene Description cathepsin H

Omim ID [116820](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations N-benzoylarginine-beta-naphthylamide hydrolase|aleurain|cathepsin B3|cathepsin BA

Pathway

- [Lysosome](#)

Disease

- [Alzheimer disease](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Celiac Disease](#)
- [Cognition](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Lung Neoplasms](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)