

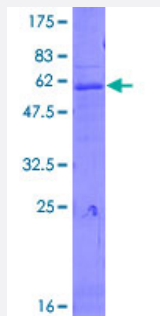
Full-Length

CTSZ (Human) Recombinant Protein (P02)

Catalog # H00001522-P02

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human CTSZ full-length ORF (NP_001327.2, 1 a.a. - 303 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MARRGPGWRPLLLLVLLAGAAQGGLYFRRGQTCYRPLRGDGLAPLGRSTYPRPHEYLSPADLPK
SWDWRNVLDGVNYASITRNQHIPQYCGSCWAHASTSAMADRINIKRKGAWPSTLLSVQNVIDCGN
AGSCEGGNDLSVWDYAHQHGIPIDETCNNYQAKDQECDFNQCGTCNEFKECHAIRNYTLWRVG
DYGSLSGREKMMAEIYANGPISCGIMATERLANYTGGIYAEYQDDTTYINHVVSVAGWGISDGTEYWIV
RNSWGEPWGERGWLRVTSTYKDGKGARYNLAIEEHCTFGDPIV

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

60.3

Interspecies Antigen Sequence

Mouse (86); Rat (87)

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 — CTSZ

Entrez GeneID[1522](#)**GeneBank Accession#**[NM_001336.2](#)**Protein Accession#**[NP_001327.2](#)**Gene Name**

CTSZ

Gene Alias

CTSX, FLJ17088

Gene Description

cathepsin Z

Omim ID[603169](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene is a lysosomal cysteine proteinase and member of the peptidase C1 family. It exhibits both carboxy-monopeptidase and carboxy-dipeptidase activities. The encoded protein has also been known as cathepsin X and cathepsin P. This gene is expressed ubiquitously in cancer cell lines and primary tumors and, like other members of this family, may be involved in tumorigenesis. [provided by RefSeq]

Other Designations

OTTHUMP00000031409|cathepsin X|preprocathepsin P

Pathway

- [Lysosome](#)

Disease

- [Alzheimer disease](#)
- [Cognition](#)
- [Genetic Predisposition to Disease](#)
- [Tuberculosis](#)