

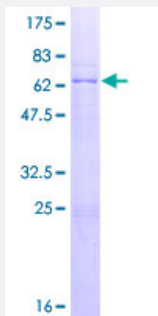
Full-Length

CTSL2 (Human) Recombinant Protein (P01)

Catalog # H00001515-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human CTSL2 full-length ORF (NP_001324.2, 1 a.a. - 334 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MNLSLVLA AFCLGIASAVPKFDQNLDTKWYQWKATHRRLYGANE EGWRRRAVWEKNMKMIELHN
GEYSQGKHGFTMAMNAFGDMTNEEFRQMMGCFRNQKFRKGKVFREPLFLDLPKSVDWRKKGY
VTPVKNQKQCGSCWAFSATGALEGQMFRKTGKLVSLSEQNLVDCSRPQGNQGCNGGFMARAF
QYVKENGGLDSEESYPYAVDEICKYRPENSVANDTGFTVVAPGKEKALMKAVATVGPISVAMD
AGHSSFQFYKSGMYFEPDCSSKNLDHGVLLVVG YGFEGANSNNSKYWLVKNSWGP EWGSNGYVK
IAKDKNNHCGIATAASYPNV

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

63.7

Interspecies Antigen Sequence

Mouse (75); Rat (76)

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 — CTSL2

Entrez GeneID[1515](#)**GeneBank Accession#**[NM_001333.2](#)**Protein Accession#**[NP_001324.2](#)**Gene Name**

CTSL2

Gene Alias

CATL2, CTSU, CTSV, MGC125957

Gene Description

cathepsin L2

Omim ID[603308](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene, a member of the peptidase C1 family, is a lysosomal cysteine proteinase that may play an important role in corneal physiology. This gene is expressed in colorectal and breast carcinomas but not in normal colon, mammary gland, or peritumoral tissues, suggesting a possible role for this gene in tumor processes. [provided by RefSeq]

Other Designations

OTTHUMP00000021738|cathepsin L2, preproprotein|cathepsin U|cathepsin V

Publication Reference

- [Exogenous cathepsin V protein protects human cardiomyocytes HCM from angiotensin II-Induced hypertrophy.](#)

Huang K, Gao L, Yang M, Wang J, Wang Z, Wang L, Wang G, Li H.

The International Journal of Biochemistry & Cell Biology 2017 May; 89:6.

Application: WB-Ti, Human, Human myocardial tissue

Pathway

- [Lysosome](#)

Disease

- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Myasthenia Gravis](#)