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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

CTSL2 (Human) Recombinant Protein (P01)

Catalog Number: H00001515-P01

Regulation Status: For research use only (RUO)

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:

MNLSLVLAAFCLGIASAVPKFDQNLDTKWYQWKATHR
RLYGANEEGWRRRAVWEKNMKMIELHNGEYSQGKHG
FTMAMNAFGDMTNEEFRQMMGCFRNQKFRKGKVF
EPLFLDLPKSDWRKKGYYTPVKNQKQCGSCWAFSA
TGALGQMFRKTGKLVSLSEQNLVDCSRPQGNQGCN
GGFMARAFQYVKENGGLDSEESYPYVAVDEICKYRPE
NSVANDTGFTVVAPGKEKALMKAVATVGPISVAMDAG
HSSFQFYKSGIYFEPDCSSKNLDHGVLVVGYGFEFEGAN
SNNSKYWLVKNSWGPEWGSNGYVVKIAKDKNNHCGIA
TAASYPNV

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 63.7

Interspecies Antigen Sequence: Mouse (75); Rat (76)

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

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.

Entrez GeneID: 1515

Gene Symbol: CTSL2

Gene Alias: CATL2, CTSU, CTSV, MGC125957

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]

References:

1. Exogenous cathepsin V protein protects human cardiomyocytes HCM from angiotensin ?-Induced hypertrophy. Huang K, Gao L, Yang M, Wang J, Wang Z, Wang L, Wang G, Li H. Int J Biochem Cell Biol. 2017 May 15;89:6-15