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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

CTSL (Human) Recombinant Protein (P02)

Catalog Number: H00001514-P02

Regulation Status: For research use only (RUO)

Product Description: Human CTSL full-length ORF (AAH12612.1, 18 a.a. - 333 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

TLTFDHSLEAQWTKWKAMHNRLYGMNEEGWRRRAVW
EKNVKMIELHNQEYREGKHSFTMAMNAFGDMTSEEF
RQVMNGFQNRKPRKGKVFQEPLFYEAPRSVDWREK
GYVTPVKNQGCQSCWAFSATGALEGQMFRTGRLI
SLSEQNLVDCSGPQGNCGGLMDYAFQYVQDNG
GLDSEESYPYEATEESCKYNPKYSVANDTGFVDIPKQ
EKALMKAVATVGPISVAIDAGHESFLFYKEGIYFEPDCS
SEDMDHGVLVVGYGFEFESTSDNNKYWLKNSWGEE
WGMGGYVKMAKDRRNHCGIASAASYPTV

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 60.39

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: 1514

Gene Symbol: CTSL1

Gene Alias: CATL, CTSL, FLJ31037, MEP

Gene Summary: The protein encoded by this gene is a lysosomal cysteine proteinase that plays a major role in intracellular protein catabolism. Its substrates include collagen and elastin, as well as alpha-1 protease inhibitor, a major controlling element of neutrophil elastase activity. The encoded protein has been implicated in several pathologic processes, including myofibril necrosis in myopathies and in myocardial ischemia, and in the renal tubular response to proteinuria. This protein, which is a member of the peptidase C1 family, is a dimer composed of disulfide-linked heavy and light chains, both produced from a single protein precursor. At least two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq]