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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

CTSK (Human) Recombinant Protein (P01)

MGC23107, PKND, PYCD

Catalog Number: H00001513-P01**Regulation Status:** For research use only (RUO)**Product Description:** Human CTSK full-length ORF (AAH16058, 15 a.a. - 329 a.a.) recombinant protein with GST-tag at N-terminal.**Sequence:**ALYP EEILDTHWELWKKTHRKQYNNKVDEISRRLIWEK
NLKYISIHNL EASLGVHTYELAMNHLGDMTSEEVVQKM
TGLKVPLSHSRSDNTLYIPEWEGRAPDSVDYRKKGYV
TPVKNQGGQCGSCWAFSSVGALEGQLKKKTGKLLNLS
PQNLVDCVSENDGCGGGYMTNAFQYVQKNRGIDSED
AYPYVGQEESCMYNPTGKAAKCRGYREIPEGNEKALK
RAVARVGPVSV AIDASLTSFQFYSGVYYDESCNSDN
LNHAVLAVGYGIQKGNKHWIINKSWGENWGNKGYILM
ARNKNNACGIANLASFPKM**Host:** Wheat Germ (in vitro)**Theoretical MW (kDa):** 60.28**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:** 1513**Gene Symbol:** CTSK**Gene Alias:** CTS02, CTSO, CTSO1, CTSO2,**Gene Summary:** The protein encoded by this gene is a lysosomal cysteine proteinase involved in bone remodeling and resorption. This protein, which is a member of the peptidase C1 protein family, is predominantly expressed in osteoclasts. However, the encoded protein is also expressed in a significant fraction of human breast cancers, where it could contribute to tumor invasiveness. Mutations in this gene are the cause of pycnodysostosis, an autosomal recessive disease characterized by osteosclerosis and short stature. This gene may be subject to RNA editing. [provided by RefSeq]