

## Recombinant mouse Cathepsin K

Catalog No: #AP70209



Package Size: #AP70209-1 20ug #AP70209-2 100ug #AP70209-3 1mg

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## Description

Product Name	Recombinant mouse Cathepsin K
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:115-329aaSequence Info:Full Length
Accession No.	P55097
Uniprot	P55097
GeneID	13038;
Calculated MW	27.4 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	VPDSIDYRKKGYVTPVKNQGGCGSCWAFSSAGALEGQLKKKTGKLLALSPQNLVDCVTENYGCGGGYMTTA FQYVQQNGGIDSEDAYPYVGQDESCMYNATAKAAKCRGYREIPVGNKALKRAVARVGPISVSIDASLASFQF YSRGVYYDENCDRDNVNHAFLVVGYGTKGSKHWIKNWSGESWGNKGYALLARNKNNACGITNMAFPM
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.  Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## Background

Closely involved in osteoclastic bone resorption and may participate partially in the disorder of bone remodeling. Displays potent endoprotease activity against fibrinogen at acid pH. May play an important role in Extracellular domain matrix degradation .

## References

Complete genomic structure of the mouse cathepsin K gene (Ctsk) and its localization next to the Arnt gene on mouse chromosome 3.Rantakokko J.A., Kiviranta R., Eerola R., Aro H.T., Vuorio E.Matrix Biol. 18:155-161(1999)Research Topic:Others

Note: This product is for in vitro research use only