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Cathepsin K, Active, mouse recombinant protein
CTSK, CTSO, CTSO3
Catalog # PBV11201r

Specification

Cathepsin K, Active, mouse recombinant protein - Product info

Primary Accession	P55097
Concentration	0.5
Calculated MW	23.4 kDa (115-329 aa) KDa

Cathepsin K, Active, mouse recombinant protein - Additional Info

Gene ID	13038
Gene Symbol	CTSK
Other Names	
CTSK, CTSO, CTSO3	
Gene Source	Mouse
Source	E. coli
Assay&Purity	SDS-PAGE; ≥90%
Assay2&Purity2	N/A;
Recombinant	Yes
Results	The specific activity is >1000 mU/mg (1U = 1 µmole/min/mg) as measured by Cathepsin K Activity Assay Kit

Target/Specificity
Cathepsin K

Format
Liquid

Storage
-80°C; 0.5 mg/ml solution in 25 mM Na2HPO4 and 500 mM NaCl (pH 7.0) with 50% glycerol.

Cathepsin K, Active, mouse recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Cathepsin K, Active, mouse recombinant protein - Images

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Cathepsin K, Active, mouse recombinant protein - Background

Cathepsin K, a member of the papain cysteine proteinase family is the predominant proteinase responsible for the resorption of the bone matrix. Cathepsin cleaves proteins such as collagen type I, collagen type II and osteonectin, thereby playing a role in bone remodeling and resorption in osteoporosis, osteolytic bone metastasis and rheumatoid arthritis (Bromme and Okamoto, 1995; Drake, F. et al 1996; Bossard et al, 1996).

Cathepsin K, Active, mouse recombinant protein - References

Rantakokko J.A.,et al.FEBS Lett. 393:307-313(1996).
Rantakokko J.A.,et al.Matrix Biol. 18:155-161(1999).