Recombinant Mouse Ctsk Protein, His/GST-tagged

Cat. No. Ctsk-331M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Ctsk(Gly113~Asn316) fused with His/GST tag at N-terminal was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Gly113~Asn316
Description	This gene encodes a member of the cathepsin family of cysteine proteases that is highly expressed in osteoclasts and is involved in the degradation of collagen and other matrix proteins in bone. The encoded preproprotein undergoes proteolytic processing to generate a mature, functional enzyme. Mice lacking the encoded protein exhibit phenotypic features of pycnodysostosis such as increased bone density and bone deformity, which become progressively more pronounced with age.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	54.3kDa
Identity	Reconstitute in PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	> 95%

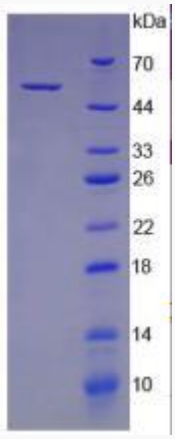
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Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others

GENE INFORMATION

Gene Name	Ctsk cathepsin K [Mus musculus]
Official Symbol	Ctsk
Synonyms	CTSK; cathepsin K; Cat K; minisatellite 10q detected by probe MMS10; catK; Ms10q; MMS10-Q; AI323530;
Gene ID	13038
mRNA Refseq	NM_007802
Protein Refseq	NP_031828
UniProt ID	P55097

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