

Active Recombinant Human CTSK Protein

Cat. No. CTSK-9392H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CTSK Protein (115-329 aa) was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	115-329 a.a.
Description	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.
Form	0.5 mg/ml solution in 25 mM Na ₂ HPO ₄ and 500 mM NaCl (pH 7.0) with 50% glycerol.
Bio-activity	The specific activity is >5000 mU/mg (1U = 1 pmole/min/mg) as measured by Cathepsin K Activity Assay Kit
Molecular Mass	23.5 kDa
Purity	≥90%
Storage	Store at -80 centigrade. Centrifuge the vial prior to opening.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION**Gene Name** CTSK cathepsin K [Homo sapiens]**Official Symbol** CTSK**Synonyms** CTSK; cathepsin K; cathepsin K (pseudodeficiency) , CTSO, CTSO2, PYCD; PKND; cathepsin O; cathepsin X; cathepsin O1; cathepsin O2; CTSO; PYCD; CTSO2; CTSO1; CTSO2; MGC23107;**Gene ID** 1513**mRNA Refseq** NM_000396**Protein Refseq** NP_000387**MIM** 601105**UniProt ID** P43235 Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA