

Recombinant Human Cathepsin K(CTSK)

Catalog No: #AP70208

Package Size: #AP70208-1 20ug #AP70208-2 100ug #AP70208-3 1mg

Description

Product Name	Recombinant Human Cathepsin K(CTSK)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:115-329aaSequence Info:Full Length
Other Names	Cathepsin OCathepsin O2;Cathepsin X
Accession No.	P43235
Calculated MW	27.5 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	APDSVDYRKKG YVTPVKNQGQCGSCWAFSSVGALEGQLKKKTGKLLNLSPQNLVDCVSENDGCGGGYMTN AFQYVQKNRGIDSEDAYPYVGQEESCMYNPTGKAAKCRGYREIPEGNEKALKRAVARVGPVSVAIDASLTSF QFYSGVYYDESCNSDNLNHAFLAVGYGIQKGNKHWIKNWSWGENWGNKGYILMARNKNNACGIANLASFPK M
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

Cathepsin K gene mutations and 1q21 haplotypes in patients with pycnodysostosis in an outbred population.Haagerup A., Hertz J.M., Christensen M.F., Binderup H., Kruse T.A.Eur. J. Hum. Genet. 8:431-436(2000)Research Topic:Signal Transduction

Note: This product is for in vitro research use only and is not intended for use in humans or animals.