Cathepsin K (CTSK) Recombinant Protein | CTSK recombinant protein

Recombinant Cathepsin K (CTSK)

CATALOG #	HOST	APPLICATIONS
AAA134738	**E Coli**	**Immunoprecipitation, ELISA, Western Blot, SDS-Page**

PRODUCT SYNONYMS

Cathepsin K (CTSK); Recombinant Cathepsin K (CTSK); CTSK recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95%
Form/Format	Supplied as lyophilized form in PBS,pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Sequence	Thetargetp roteinisfu sedwithtwo N-terminal Tags,His-t agandGST-t ag,itssequ enceislist edbelow.**MSPILGYW KIKGLVQPTR LLLEYLEEKY EEHLYERDEG DKWRNKKFEL GLEFPNLPYY IDGDVKLTQS MAIIRYIADK HNMLGGCPKE RAEISMLEGA VLDIRYGVSR IAYSKDFETL KVDFLSKLPE MLKMFEDRLC HKTYLNGDHV THPDFMLYDA LDVVLYMDPM CLDAFPKLVC FKKRIEAIPQ IDKYLKSSKY IAWPLQGWQA TFGGGDHPPK SDGSTSGSGH HHHHHSAGLV PRGSTAIGMK ETAAAKFERQ HMDSPDLGTL EVLFQGPLGS EF-GRVPDSI DYRKKGYVTP VKNQGQCGSC WAFSSAGALE GQLKKKTGKL LALSPQNLVD CVTENYGCGG GYMTTAFQYV QQNGGIDSED AYPYVGQDES CMYNATAKAA KCRGYREIPV GNEKALKRAV ARVGPISVSI DASLASFQFY SRGVYYDENC DRDNVNHAVL VVGYGTQKGS KHWIIKNSWG ESWGNKGYAL LARNKNN**
Sequence Length	329
Applicable Applications for CTSK recombinant protein	IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Organism	Mus musculus (Mouse)
Expression System	Prokaryotic expression
Residues	Gly113~Asn316 (Accession # P55097) with two N-terminal Tags, His-tag and GST-tag
Subcellular Location	Lysosome
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Predicted Isoelectric Point	7.6
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Preparation and Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate of the targetprotein. The loss rate was determined by accelerated thermal degradation test,that is, incubate the protein at 37 degree C for 48h, and no obvious degradation andprecipitation were observed. (Referring from China Biological Products Standard,which was calculated by the Arrhenius equation.) The loss of this protein is lessthan 5% within the expiration date under appropriate storage condition.

IMAGES

SDS-PAGE

Sequence

NCBI AND UNIPROT INFORMATION

NCBI GI #	31982433
NCBI GeneID	13038
NCBI Accession #	NP_031828.2
NCBI GenBank Nucleotide #	NM_007802.4
UniProt Accession #	P55097; O88718
Molecular Weight	54.3kDa
NCBI Official Full Name	cathepsin K
NCBI Official Synonym Full Names	cathepsin K
NCBI Official Symbol	Ctsk
NCBI Official Synonym Symbols	catK; Ms10q; MMS10-Q; AI323530
NCBI Protein Information	cathepsin K; Cat K; minisatellite 10q detected by probe MMS10
UniProt Protein Name	Cathepsin K
UniProt Gene Name	**Ctsk**
UniProt Entry Name	CATK_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/ctsk-recombinant-protein-e-coli-ip-immunoprecipitation-elisa-wb-western-blot-sds-page/134738