

Cathepsin S (CTSS) Recombinant Protein | CTSS recombinant protein

Recombinant Cathepsin S (CTSS)

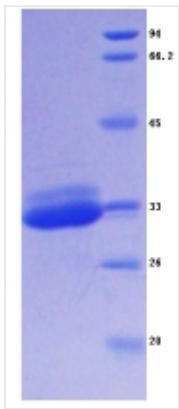
CATALOG # AAA134500	HOST E Coli	APPLICATIONS Immunoprecipitation, ELISA, Western Blot, SDS-Page
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PRODUCT SYNONYMS

Cathepsin S (CTSS); Recombinant Cathepsin S (CTSS); CTSS 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 agandS-tag Form&Bu ffe r:Supplied assolution forminPBS, pH74,con,i tssequence islistedbe low. MH HHHHHSSGLV PRGSGMKETA AAKFERQHMD SPDLGTDDDD KAMADIGSEF -LPDVTVDWRE KGCVTEVKYQ GSCGACWAFS AVGALEGQLK LKTGKLISLS AQLNVDCSNE EKYGNKGCGG GYMTEAFQYI IDNGGIEADA SYPYKATDEK CHYNSKNRAA TCSRYIQLPF GDEDALKEAV ATKGPVSVGI DASHSSFFFY KSGVYDDPSC TGNVNHGVLV VGYGTLDGKD YWLVKNSWGL NFGDQGYIRM ARNNKNHCGI ASYCSYPE
Sequence Length	340
Applicable Applications for CTSS recombinant protein	IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Organism	Mus musculus (Mouse)
Expression System	Prokaryotic expression
Residues	Leu123~Glu339 (Accession # O70370) with two N-terminal Tags, His-tag and S-tag
Form & Buffer	Supplied as lyophilized form in PBS, pH7.4, containing 1mM DTT, 5% trehalose, 0.01% sarcosyl and preservative.
Predicted isoelectric point	5.6
Accurate Molecular Mass	33kDa as determined by SDS-PAGE reducing conditions.
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
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 less than 5% within the expiration date under appropriate storage condition.



Sequence

LPDVTVDWR EKGCVTEVKY QGSCGACWAF
SAVGALEGQL KLKTGKLISL SAQNLVDCSN EEKYGNKGG GGYMTEAFQY
IIDNGGIEAD ASYPYKATDE KCHYNSKNRA ATCSRVIQLP FGDEDALKEA
VATKGPVSVG IDASHSSFFF YKSGVYDDPS CTGNVNHGVL VVGYGTLDGK
DYWLKNSWG LNFGDQGYIR MARNNKNHCG IASYCSYPE

SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	510025483
NCBI GeneID	13040
NCBI Accession #	NP_067256.4
NCBI GenBank Nucleotide #	NM_021281.3
UniProt Accession #	O70370; O54973; E9QK18
Molecular Weight	29.3kDa
NCBI Official Full Name	cathepsin S isoform 2 preproprotein
NCBI Official Synonym Full Names	cathepsin S
NCBI Official Symbol	Ctss
NCBI Protein Information	cathepsin S; Cat S
UniProt Protein Name	Cathepsin S
UniProt Gene Name	Ctss
UniProt Synonym Gene Names	Cats
UniProt Entry Name	CATS_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.