

Cathepsin W/CTSW, Mouse (His, myc)

Cat. No.:	HY-P72281
Synonyms:	CtswCathepsin W; Lymphopain
Species:	Mouse
Source:	E. coli
Accession:	P56203 (V126-P371)
Gene ID:	13041
Molecular Weight:	Approximately 35.2 kDa

PROPERTIES

AA Sequence	<pre> V P R T C D W R K A K N I I S S V K N Q G S C K C C W A M A A A D N I Q A L W R I K H Q Q F V D V S V Q E L L D C E R C G N G C N G G F V W D A Y L T V L N N S G L A S E K D Y P F Q G D R K P H R C L A K K Y K K V A W I Q D F T M L S N N E Q A I A H Y L A V H G P I T V T I N M K L L Q H Y Q K G V I K A T P S S C D P R Q V D H S V L L V G F G K E K E G M Q T G T V L S H S R K R R H S S P Y W I L K N S W G A H W G E K G Y F R L Y R G N N T C G V T K Y P F T A Q V D S P V K K A R T S C P P </pre>
Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm sterile filtered PBS, 6% Trehalose, pH 7.4.
Endotoxin Level	<14 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Cathepsin W/CTSW is implicated in potentially having a specific role in the mechanism or regulation of T-cell cytolytic activity, suggesting its involvement in the intricate processes governing the immune response. The recognition of its potential function in T-cell cytolytic activity underscores its significance in the immune system's defense against pathogens and abnormal cells. The precise mechanisms by which Cathepsin W operates in the regulation of T-cell activity remain an
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area of interest, highlighting its potential as a key player in immune system function and the orchestration of cellular defense mechanisms.

Caution: Product has not been fully validated for medical applications. For research use only.

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