

## CTSF Protein, Human (His)

<b>Cat. No.:</b>	HY-P71701
<b>Synonyms:</b>	Cathepsin F; CathepsinF; CATSF; CLN13; Ctsf
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Accession:</b>	Q9UBX1 (273P-484D)
<b>Gene ID:</b>	8722
<b>Molecular Weight:</b>	Approximately 27.4 kDa

### PROPERTIES

<b>AA Sequence</b>	<pre> P E W D W R S K G A   V T K V K D Q G M C   G S C W A F S V T G   N V E G Q W F L N Q G T L L S L S E Q E   L L D C D K M D K A   C M G G L P S N A Y   S A I K N L G G L E T E D D Y S Y Q G H   M Q S C N F S A E K   A K V Y I N D S V E   L S Q N E Q K L A A W L A K R G P I S V   A I N A F G M Q F Y   R H G I S R P L R P   L C S P W L I D H A V L L V G Y G N R S   D V P F W A I K N S   W G T D W G E K G Y   Y Y L H R G S G A C G V N T M A S S A V   V D           </pre>
<b>Biological Activity</b>	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized after extensive dialysis against solution in Tris-based buffer, 50% glycerol.
<b>Endotoxin Level</b>	<1 EU/μg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH <sub>2</sub> O.
<b>Storage &amp; Stability</b>	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.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	CTSF Protein, a thiol protease, is implicated in intracellular protein degradation and turnover. Additionally, this enzyme has been associated with tumor invasion and metastasis, suggesting its potential involvement in critical cellular processes related to cancer progression.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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