



# Recombinant Human Cathepsin S (CTSS)

<b>Product Code</b>	CSB-EP006204HU-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P25774
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	LPDSVD WREKGCVTEV KYQGSCGACW AFSAVGALEA QLKLKTGKLV SLSAQNLVDC STEKYGNKGC NGGFMTTAFQ YIIDNKGIDS DASYPYKAMD QKCQYDSKYR AATCSKYTEL PYGREDVLKE AVANKGPVSV GVDARHPSFF LYRSGVYYEP SCTQNVNHGV LVVGYGDLNG KEYWLVKNSW GHNFGEEGYI RMARNKGNHC GIASFPSYPE I
<b>Source</b>	E.coli
<b>Target Names</b>	CTSS
<b>Protein Names</b>	Recommended name: Cathepsin S EC= 3.4.22.27
<b>Expression Region</b>	115-331
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	This protein, a member of the peptidase C1 family, is a lysosomal cysteine proteinase that may participate in the degradation of antigenic proteins to peptides for presentation on MHC class II molecules. The encoded protein can function as an elastase over a broad pH range in alveolar macrophages. Transcript variants utilizing alternative polyadenylation signals exist for this gene.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
<b>Shelf Life</b>	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.