



Recombinant Bovine Cathepsin S (CTSS)

| | |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Code | CSB-EP006204BO |
| Storage | Store at -20°C, for extended storage, conserve at -20°C or -80°C. |
| Uniprot No. | P25326 |
| Product Type | Recombinant Protein |
| Immunogen Species | Bos taurus (Bovine) |
| Purity | >85% (SDS-PAGE) |
| Sequence | LPDSMD WREKGCVTEV KYQGACGSCW AFSAVGALEA QVKLKTGKLV SLSAQNLVDC STAKYGNKGC NNGFMTEAFQ YIIDNNGIDS EASYPYKAMD GKCQYDVKNR AATCSRYIEL PFGSEEALKE AVANKGPVSV GIDASHSSFF LYKTGVYYDP SCTQNVNHGV LVVGYGNLDG KDYWLKNSW GLHFGDQGYI RMARNSGNHC GIANYPSTPE I |
| Source | E.coli |
| Target Names | CTSS |
| Protein Names | Recommended name: Cathepsin S EC= 3.4.22.27 |
| Expression Region | 115-331 |
| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| Tag Info | Tag type will be determined during the manufacturing process. |
| Protein Length | Full Length of Mature Protein |
| Target Details | 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. |
| Reconstitution | 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. |
| Shelf Life | 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. |