# Recombinant Bovine Pro-cathepsin H (CTSH)

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| **Product Code** | CSB-BP662282BO |
| **Abbreviation** | CTSH |
| **Storage** | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>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. |
| **Uniprot No.** | Q3T0I2 |
| **Product Type** | Recombinant Protein |
| **Immunogen Species** | Bos taurus (Bovine) |
| **Purity** | >85% (SDS-PAGE) |
| **Sequence** | YPPSM DWRKKGNFVT PVKNQGSCGS CWTFSTTGAL ESAVAIATGK LPFLAEQQLV DCAQNFNNHG CQGGLPSQAF EYIRYNKGIM GEDTYPYRGQ DGDCKYQPSK AIAFVKDVAN ITLNDEEAMV EAVALHNPVS FAFEVTADFM MYRKGIYSST SCHKTPDKVN HAVLAVGYGE EKGIPYWIVK NSWGPNWGMK GYFLIERGKN MCGLAACASF PIPLV |
| **Source** | Baculovirus |
| **Target Names** | CTSH |
| **Protein Names** | Recommended name: Pro-cathepsin H Cleaved into the following 4 chains: 1. Cathepsin H mini chain 2. Cathepsin H EC= 3. 3.4.22.16 4. Cathepsin H heavy chain 5. Cathepsin H light chain |
| **Expression Region** | 116-335 |
| **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 is a lysosomal cysteine proteinase important in the overall degradation of lysosomal proteins. It is composed of a dimer of disulfide-linked heavy and light chains, both produced from a single protein precursor. The encoded protein, which belongs to the peptidase C1 protein family, can act both as an aminopeptidase and as an endopeptidase. Increased expression of this gene has been correlated with malignant progression of prostate tumors. Two transcript variants encoding different isoforms have been found 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.