Recombinant Rat Cathepsin D (Ctsd)

Product Code	CSB-BP006187RA
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P24268
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	≥85% (SDS-PAGE)
Sequence	EPVSEL LKNYLDAQYY GEIGIGTPPQ CFTVVFDTGS SNLWVPSIHC KLLDIACWVH HKYNSDKSST YVKNGTSFDI HYGSGSLSGY LSQDTVSVPC KSDLGGIKVE KQIFGEATKQ PGVVFIAAKF DGILGMGYPF ISVNKVLPVF DNLMKQKLVE KNIFSFYLNR DPTGQPGGEL MLGGTDSRYY HGELSYLNVT RKAYWQVHMD QLEVGSELTL CKGGCEAIVD TGTSLLVGPV DEVKELQKAI GAVPLIQGEY MIPCEKVSSL PIITFKLGGQ NYELHPEKYI LKVSQAGKTI CLSGFMGMDI PPPSGPLWIL GDVFIGCYYT VFDREYNRVG FAKAATL
Source	Baculovirus
Target Names	Ctsd
Protein Names	Recommended name: Cathepsin D EC= 3.4.23.5 Cleaved into the following 4 chains: 1. Cathepsin D 12 kDa light chain 2. Cathepsin D 9 kDa light chain 3. Cathepsin D 34 kDa heavy chain 4. Cathepsin D 30 kDa heavy chain
Expression Region	65-407
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 gene encodes a lysosomal aspartyl protease composed of a dimer of disulfide-linked heavy and light chains, both produced from a single protein precursor. This proteinase, which is a member of the peptidase C1 family, has a specificity similar to but narrower than that of pepsin A. Transcription of this gene is initiated from several sites, including one which is a start site for an estrogen-regulated transcript. Mutations in this gene are involved in the pathogenesis of several diseases, including breast cancer and possibly Alzheimer disease.
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.