



# Recombinant Mouse Cathepsin O (Ctso)

<b>Product Code</b>	CSB-BP006203MO
<b>Abbreviation</b>	Ctso
<b>Storage</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.
<b>Uniprot No.</b>	Q8BM88
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	LP LRFDWRDKHV VNPVRNQEMC GGCWAFSVVS AIESARAIQG KSLDYLSVQQ VIDCSFNNSG CLGGSPLCAL RWLNETQLKL VADSQYPFKA VNGQCRHFPQ SQAGVSVKDF SAYNFRGQED EMARALLSFG PLVVIVDAMS WQDYLGIIQ HHCSSGEANH AVLITGFDRT GNTPYWMVRN SWGSSWGVEG YAHVKMGGNV CGIADSVA AV FV
<b>Source</b>	Baculovirus
<b>Target Names</b>	Ctso
<b>Protein Names</b>	Recommended name: Cathepsin O EC= 3.4.22.42
<b>Expression Region</b>	99-312
<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>	The protein encoded by the gene is a cysteine proteinase and a member of the papain superfamily. This proteolytic enzyme is involved in cellular protein degradation and turnover. The recombinant form of this enzyme was shown to degrade synthetic peptides typically used as substrates for cysteine proteinases and its proteolytic activity was abolished by an inhibitor of cyteine proteinase.
<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.