



Recombinant Human Cathepsin O (CTSO)

Product Code	CSB-EP006203HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P43234
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	LPL RFDWRDKQVV TQVRNQQMCG GCWAFSVVGA VESAYAIGK PLEDLSVQQV IDCSYNNYGC NGGSTLNALN WLNKMVQKLV KDSEYPFKAQ NGLCHYFSGS HSGFSIKGYS AYDFSDQEDE MAKALLTFGP LVVIVDAVSW QDYLGGIIQH HCSSGEANHA VLITGFDKTG STPYWIVRNS WGSSWGV DGY AHVKMGSNVC GIADSVSSIF V
Source	E.coli
Target Names	CTSO
Protein Names	Recommended name: Cathepsin O EC= 3.4.22.42
Expression Region	108-321
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	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.
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.