



Recombinant Human Cathepsin W (CTSW)

Product Code	CSB-YP006205HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P56202
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	VPF SCDWRKVASA ISPIKDQKNC NCCWAMAAAG NIETLWRISF WDFVDVSVQE LLDCGRCDG CHGGFVWDAF ITVLNNSGLA SEKDYPFQ GK VRAHRCHPKK YQKVAWIQDF IMLQNEHRI AQYLATYGPI TVTINMKPLQ LYRKGVIKAT PTTCDPQLVD HSVLLVGFSG VKSEEGIWAE TVSSQSQPQP PHPTPYWILK NSWGAQWGEK GYFRLHRGSN TCGITKFPLT ARVQKPDMPK RVSCPP
Source	Yeast
Target Names	CTSW
Protein Names	Recommended name: Cathepsin W EC= 3.4.22.- Alternative name(s): Lymphopain
Expression Region	128-376
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 cysteine proteinase that may have a specific function in the mechanism or regulation of T-cell cytolytic activity. The encoded protein is found associated with the membrane inside the endoplasmic reticulum of natural killer and cytotoxic T-cells. Expression of this gene is up-regulated by interleukin-2.
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.