



Recombinant Human Cathepsin G (CTSG)

Product Code	CSB-EP006190HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P08311
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	IIGGRESRPH SRPYMAYLQI QSPAGQSRCG GFLVREDFVL TAAHCWGSNI NVTLGAHNIQ RRENTQQHIT ARRAIRHPQY NQRTIQNDIM LLQLSRRVRR NRNVNPVALP RAQEGLRPGT LCTVAGWGRV SMRRGTDTLR EVQLRVQRDR QCLRIFGSYD PRRQICVGDR RERKAAFKGD SGGPLLCNNV AHGIVSYGKS SGVPPEVFTR VSSFLPWIRT TMRSFKLLDQ METPL
Source	E.coli
Target Names	CTSG
Protein Names	Recommended name: Cathepsin G Short name= CG EC= 3.4.21.20
Expression Region	21-255
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 S1 protein family, is found in azurophil granules of neutrophilic polymorphonuclear leukocytes. The encoded protease has a specificity similar to that of chymotrypsin C, and may participate in the killing and digestion of engulfed pathogens, and in connective tissue remodeling at sites of inflammation. Transcript variants utilizing alternative polyadenylation signals exist 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.