



Recombinant Human Caspase-7 (CASP7)

Product Code	CSB-EP004552HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P55210
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	AKPDRSS FVPSLFSSKKK KNVTMRSIKT TRDRVPTYQY NMNFEKLGKC IIINNKNFDK VTGMGVRNGT DKDAEALFKC FRSLGFDVIV YNDCSCAKMQ DLLKKASEED HTNAACFACI LLSHGEEVI YGKDGVTPIK DLTAHFRGDR CKTLLEKPKL FFIQACRGTE LDDGIQAD
Source	E.coli
Target Names	CASP7
Protein Names	Recommended name: Caspase-7 Short name= CASP-7 EC= 3.4.22.60 Alternative name(s): Apoptotic protease Mch-3 CMH-1 ICE-like apoptotic protease 3 Short name= ICE-LAP3 Cleaved into the following 2 chains: 1. Caspase-7
Expression Region	24-198
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 protein which is a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues to produce two subunits, large and small, that dimerize to form the active enzyme. The precursor of this caspase is cleaved by caspase 3 and 10. It is activated upon cell death stimuli and induces apoptosis. Alternative splicing results in four transcript variants, encoding three distinct isoforms.
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.