Recombinant Human Inactive caspase-12 (CASP12)

Product Code	CSB-EP747641HU
Abbreviation	CASP12
Storage	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.
Uniprot No.	Q6UXS9
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MADEKPSNGV LVHMVKLLIK TFLDGIFDDL MENNVLNTDE IHLIGKCLKF VVSNAENLVD DITETAQTAG KIFREHLWNS KKQLSSDISS DGEREANMPG LNIRNKEFNY LHNRNGSELD LLGMRDLLEN LGYSVVIKEN LTAQEMETAL RQFAAHPEHQ SSDSTFLVFM SHSILNGICG TKHWDQEPDV LHDDTIFEIF NNRNCQSLKD KPKVIIMQAC RGNGAGIVWF TTDSGKAGAD THGRLLQGNI CNDAVTKAHV EKDFIAFKSS TPHNVSWRHE TNGSVFISQI IYYFREYSWS HHLEEIFQKV QHSFETPNIL TQLPTIERLS MTRYFYLFPG N
Source	E.coli
Target Names	CASP12
Protein Names	Recommended name: Inactive caspase-12 Short name= CASP-12
Expression Region	1-341
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 protein
Target Details	Caspases are cysteine proteases that cleave C-terminal aspartic acid residues on their substrate molecules. This gene, CASP12, is most highly related to members of the ICE subfamily of caspases that process inflammatory cytokines. In rodents, the homolog of this gene mediates apoptosis in response to endoplasmic reticulum stress. However, in humans this gene contains a polymorphism for the presence or absence of a premature stop codon. The majority of human individuals have the premature stop codon and produce a truncated non-functional protein. The read-through codon occurs primarily in individuals of African descent and carriers have endotoxin hypo-responsiveness and an increased susceptibility to severe sepsis.
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.