



Recombinant Rat Caspase-2 (Casp2)

Product Code	CSB-EP004547RA-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P55215
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	G PPCLQVKPCT PEFYQAHYQL AYRLQSQPRG LALVMSNVHF TGEKDLEFRS GGDVDHTTLV TLFKLLGYNV HVLYDQTAQE MQEKLQNFQAQ LPAHRVTDSC IVALLSHGVE GGIYGVDGKL LQLQEVFRLF DNANCP SLQN KPKMFFIQAC RGDET
Source	E.coli
Target Names	Casp2
Protein Names	Recommended name: Caspase-2 Short name= CASP-2 EC= 3.4.22.55 Alternative name(s): Protease ICH-1 Cleaved into the following 3 chains: 1. Caspase-2 subunit p18 2. Caspase-2 subunit p13 3. Caspase-2 subunit p12
Expression Region	170-325
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 proteolytic cleavage of this protein is induced by a variety of apoptotic stimuli. Alternative splicing of this gene results in multiple transcript variants that encode different 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.