



Recombinant Mouse Caspase-2 (Casp2)

Product Code	CSB-EP004547MO-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P29594
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	G PPCLLVKPCT PEFYQAHYQL AYRLQSQPRG LALVLSNVHF TGEKDLEFRS GGDVDHTTLV TLFKLLGYNV HVLHDQTAQE MQEKLQNFAQ LPAHRVTDSC VVALLSHGVE GGIYGVGDKL LQLQEVFRLF DNANCP SLQN KPKMFFIQAC RGDETDRGVD QQD
Source	E.coli
Target Names	Casp2
Protein Names	Recommended name: Caspase-2 Short name= CASP-2 EC= 3.4.22.55 Alternative name(s): Neural precursor cell expressed developmentally down-regulated protein 2 Short name= NEDD-2 Protease ICH-1 Cleaved into the following 3 chai
Expression Region	170-333
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.