Recombinant Mouse Caspase-4 (Casp4), partial

Product Code	CSB-YP004549MO
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P70343
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	PGSHHGEANL EMEEPEESLN TLKLCSPEEF TRLCREKTQE IYPIKEANGR TRKALIICNT EFKHLSLRYG ANFDIIGMKG LLEDLGYDVV VKEELTAEGM ESEMKDFAAL SEHQTSDSTF LVLMSHGTLH GICGTMHSEK TPDVLQYDTI YQIFNNCHCP GLRDKPKVII VQACRGGNSG EMWIRE
Source	Yeast
Target Names	Casp4
Protein Names	Recommended name: Caspase-4 Short name= CASP-4 EC= 3.4.22.64Alternative name(s): Caspase-11 Short name= CASP-11 Protease ICH-3Cleaved into the following 2 chains: 1. Caspase-4 subunit p10 2. Caspase-4 subunit p20
Expression Region	81-266
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	partial
Target Details	This gene encodes a protein that 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 composed of a prodomain and a large and small protease subunit. Activation of caspases requires proteolytic processing at conserved internal aspartic residues to generate a heterodimeric enzyme consisting of the large and small subunits. This caspase is able to cleave and activate its own precursor protein, as well as caspase 1 precursor. When overexpressed, this gene induces cell apoptosis. Alternative splicing results in transcript variants encoding 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.