



Recombinant Mouse Caspase-4 (Casp4), partial

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| Product Code | CSB-BP004549MO |
| 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 | PGSHHG EANL EMEEPEESLN TLKLCSP EEF TRLCREKTQE IYPIKEANGR TRKALIICNT EFKHLSLRYG ANFDIIGMKG LLEDLGYDVV VKEELTAEGM ESEMKDF AAL SEHQ TSDSTF LVLMSHGTLH GICGTMHSEK TPDVLQYDTI YQIFNNCHCP GLRDKPKVII VQACRGGNSG EMWIRE |
| Source | Baculovirus |
| Target Names | Casp4 |
| Protein Names | Recommended name: Caspase-4 Short name= CASP-4 EC= 3.4.22.64 Alternative name(s): Caspase-11 Short name= CASP-11 Protease ICH-3 Cleaved 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.