Recombinant Mouse Casp8 protein, His & T7-tagged

Cat. No. Casp8-7830M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Casp8 aa. (Ser219~Gly376 (Accession # O89110)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Ser219~Gly376
Description	This gene is part of a family of caspases, aspartate-specific cysteine proteases well studied for their involvement in immune and apoptosis signaling. This protein, an initiator of apoptotic cell death, is activated by death-inducing tumor necrosis family receptors and targets downstream effectors. In mouse deficiency of this gene can cause embryonic lethality. This protein may have a role in embryogenesis. Alternative splicing results in multiple transcript variants that encode different protein isoforms.
Form	Freeze-dried powder
Molecular Mass	21 kDa as determined by SDS-PAGE reducing conditions
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 7.2.

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as liquid form in Phosphate buffered saline(PBS), pH 7.4.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	Casp8 caspase 8 [Mus musculus (house mouse)]
Official Symbol	Casp8
Synonyms	Casp8; caspase 8; MACH; Mch5; FLICE; CASP-8; caspase-8; Fas-linked ICE-like protease
Gene ID	12370
mRNA Refseq	NM_001080126.1
Protein Refseq	NP_001073595.1
UniProt ID	O89110

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