

Recombinant Mouse Caspase 8

Cat. No. Casp8-1645M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant active mouse caspase-8 was expressed in E. coli.
Species	Mouse
Source	E.coli
Description	Casp8 (also know as FLICE, MASH, Mch5) is a member of the caspase-family of cysteine proteases. Similar to other caspases, casp8 also exists in cells as an inactive proenzyme. During apoptosis procaspase-8 is processed at aspartate residues by self-proteolysis and/or cleavage by another caspase. The processed active form of casp8 consists of large and small subunits which associate to form the active enzyme.
Biological Activity	5000 units/mg
Form	Lyophilized powder.
Appearance	Lyophilized powder
Reconstitution	Reconstitute to 1 unit per μ in PBS containing 15% glycerol.
Purity	≥ 95 % by SDS-PAGE
Storage	The lyophilized caspase-8 is stable for 1 year at -70°C. Following reconstitution in PBS, the enzyme should be aliquoted and immediately stored at -70°C. Avoid

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multiple freeze/thaw cycles as activity might decrease.

Pathways

Activation of Pro-Caspase 8; Activation; Alzheimer's disease; Androgen Receptor Signaling Pathway; Apoptosis; Apoptosis Modulation by HSP70; Apoptotic cleavage of cellular proteins; Apoptotic execution phase; Death Receptor Signalling; Extrinsic Pathway for Apoptosis; Herpes simplex infection; Huntington's disease; Intrinsic Pathway for Apoptosis; Legionellosis; MAPK signaling pathway

GENE INFORMATION

Gene Name [Casp8 caspase 8 \[Mus musculus \]](#)

Official Symbol [Casp8](#)

Synonyms Casp8; caspase 8; MACH; Mch5; FLICE; CASP-8; caspase-8; Fas-linked ICE-like protease; Caspase-8; EC 3.4.22.61

Gene ID [12370](#)

mRNA Refseq [NM_001080126](#)

Protein Refseq [NP_001073595](#)

UniProt ID [O89110](#)

Chromosome Location [1 B; 1 30.1 cM](#)

Function cysteine-type endopeptidase activity; cysteine-type peptidase activity; hydrolase activity; identical protein binding; peptidase activity; protein binding; tumor necrosis factor receptor binding

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**Protein CASP8 PDB
1f9e.**

