

Active Recombinant Human CASP8, His-tagged

Cat. No. CASP8-26H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CASP8 (a.a: 200 – 496) fused with His tag at C-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	200-496 a.a.
Description	Caspase-8 is a member of the caspase (cysteine aspartate protease) family of proteins, and has been shown to be an executioner protein of apoptosis. Caspase-8 has been associated with chronic inflammation and neurodegenerative disorders including Alzheimer's, Huntington's, and Parkinson's. Procaspace-8 is autocleaved between the prodomain and large protease subunit (p18). The cleavage product, p30, contains both the large (p18) and small (p10 [His-tag]) protease subunits. p30 is further processed to the p18 and p10 subunits, which dimerize to form active enzyme.
Form	40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, 200 mM imidazole, 3 mM DTT and 20% glycerol.
Bio-activity	≥ 1145 pmol/min/μg
Molecular Mass	34.5 kDa
Applications	Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

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Stability	>6 months at -80 centigrade.
Warning	Avoid freeze/thaw cycles.
GENE INFORMATION	
Gene Name	CASP8 caspase 8, apoptosis-related cysteine peptidase [Homo sapiens]
Official Symbol	CASP8
Synonyms	CAP4; MACH; MCH5; FLICE; ALPS2B; Casp-8; caspase-8; FADD-homologous ICE/CED-3-like protease; FADD-like ICE; ICE-like apoptotic protease 5; MACH-alpha-1/2/3 protein; MACH-beta-1/2/3/4 protein; MORT1-associated ced-3 homolog; apoptotic cysteine protease; apoptotic protease Mch-5; caspase 8, apoptosis-related cysteine protease
Gene ID	841
mRNA Refseq	NM_001228
Protein Refseq	NP_001219
MIM	601763
UniProt ID	Q14790
Chromosome Location	2q33-q34
Pathway	AGE/RAGE pathway, organism-specific biosystem; Activated TLR4 signalling, organism-specific biosystem; Alzheimer's disease, conserved biosystem

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Function

cysteine-type endopeptidase activity; cysteine-type endopeptidase activity involved in apoptotic process; death effector domain binding

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