

Active Recombinant Human Caspase-9 Enzyme

Cat. No. CASP9-34H Lot. No. (See product label)

SPECIFICATION

Species	Human
Form	Lyophilized powder.
Bio-activity	400 units/mg.
Purity	≥90% by SDS-PAGE
Unit Definition	One unit is the enzyme activity that cleaves 1 nmol of the caspase substrate LEHD-pNA per hour at 37°C in a reaction solution containing 50 mM Hepes, pH 7.2, 50 mM NaCl, 0.1% Chaps, 10 mM EDTA, 5% Glycerol, and 10 mM DTT.
Usage	For in vitro research use only. Not for use in diagnostics or in humans.
Storage	Stable at -80°C for 1 year. Following reconstitution in PBS, the enzyme should be aliquoted and immediately stored at -80°C. Avoid multiple freeze/thaw cycles as activity might decrease.
Warning	No warranties, expressed or implied, are made regarding the use of this product. Creative Biomart is not liable for any damage, personal injury, or economic loss caused by this product.

GENE INFORMATION

Gene Name CASP9 caspase 9, apoptosis-related cysteine peptidase [Homo sapiens]

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Official Symbol	CASP9
Synonyms	CASP9; caspase 9, apoptosis-related cysteine peptidase; caspase 9, apoptosis related cysteine protease; caspase-9; APAF 3; ICE LAP6; MCH6; PPP1R56; protein phosphatase 1; regulatory subunit 56; apoptotic protease MCH-6; ICE-like apoptotic protease 6; apoptotic protease activating factor 3; protein phosphatase 1, regulatory subunit 56; APAF3; APAF-3; ICE-LAP6; CASPASE-9c;
Gene ID	842
mRNA Refseq	NM_001229
Protein Refseq	NP_001220
MIM	602234
UniProt ID	P55211
Chromosome Location	1p36.21
Pathway	AKT phosphorylates targets in the cytosol, organism-specific biosystem; Activation of caspases through apoptosome-mediated cleavage, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Amyotrophic lateral sclerosis (ALS), organism-specific biosystem; Amyotrophic lateral sclerosis (ALS), conserved biosystem;
Function	cysteine-type endopeptidase activity; enzyme activator activity; peptidase activity; protein binding;

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