



CASP7 blocking peptide (CDBP5257)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes 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 which undergo proteolytic processing at conserved aspartic residues to produce two subunits, large and small, that dimerize to form the active enzyme. The precursor of the encoded protein is cleaved by caspase 3 and 10, is activated upon cell death stimuli and induces apoptosis. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, May 2012]
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Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 µg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

Gene Name	CASP7 caspase 7, apoptosis-related cysteine peptidase [Homo sapiens (human)]
Official Symbol	CASP7
Synonyms	CASP7; caspase 7, apoptosis-related cysteine peptidase; MCH3; CMH-1; LICE2; CASP-7; ICE-LAP3; caspase-7; apoptotic protease MCH-3; ICE-like apoptotic protease 3; caspase 7, apoptosis-related cysteine protease

Entrez Gene ID	840
mRNA Refseq	NM_001227
Protein Refseq	NP_001218
UniProt ID	P55210
Pathway	Activation of caspases through apoptosome-mediated cleavage; Alzheimer's disease; Alzheimers Disease; Apoptosis; Apoptosis Modulation and Signaling; Apoptosis Modulation by HSP70; Apoptotic cleavage of cellular proteins; Apoptotic execution phase
Function	aspartic-type endopeptidase activity; cysteine-type endopeptidase activity; cysteine-type endopeptidase activity; cysteine-type endopeptidase activity involved in apoptotic process; cysteine-type peptidase activity; protein binding