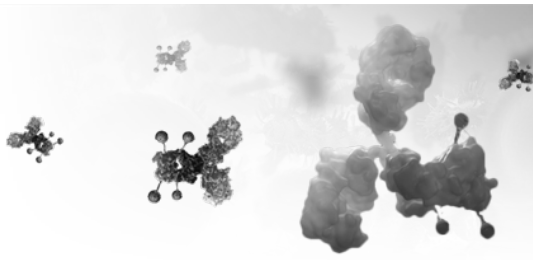

Human CASP3 blocking peptide (CDBP0691)

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

PRODUCT INFORMATION

Product Overview	Caspase 3 (N - term) peptide (human)
Antigen Description	This gene encodes a protein which is 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. This protein cleaves and activates caspases 6, 7 and 9, and the protein itself is processed by caspases 8, 9 and 10. It is the predominant caspase involved in the cleavage of amyloid-beta 4A precursor protein, which is associated with neuronal death in Alzheimer's disease. Alternative splicing of this gene results in two transcript variants that encode the same protein. [provided by RefSeq, Jul 2008]
Species	Human
Conjugate	Unconjugated
Applications	BL
Format	Liquid
Concentration	0.2 mg/ml
Size	100 µg
Buffer	PBS with 100ug BSA 0.1% sodium azide
Preservative	0.1% Sodium Azide
Storage	Keep as concentrated solution, aliquot and store at 4°C.

GENE INFORMATION

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Gene Name	CASP3 caspase 3, apoptosis-related cysteine peptidase [Homo sapiens (human)]
Official Symbol	CASP3
Synonyms	CASP3; caspase 3, apoptosis-related cysteine peptidase; CPP32; SCA-1; CPP32B; caspase-3; CASP-3; CPP-32; apopain; procaspase3; protein Yama; PARP cleavage protease; cysteine protease CPP32; SREBP cleavage activity 1; caspase 3, apoptosis-related cysteine protease;
Entrez Gene ID	836
mRNA Refseq	NM_004346.3
Protein Refseq	NP_004337.2
UniProt ID	P42574
Chromosome Location	4q34
Pathway	AGE/RAGE pathway, organism-specific biosystem; Activation of DNA fragmentation factor, organism-specific biosystem; Activation of caspases through apoptosome-mediated cleavage, organism-specific biosystem; Alpha6-Beta4 Integrin Signaling Pathway, organism-specific biosystem; Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Alzheimers Disease, organism-specific biosystem; Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem; Amyotrophic
Function	aspartic-type endopeptidase activity; cyclin-dependent protein serine/threonine kinase inhibitor activity; cysteine-type endopeptidase activity; cysteine-type endopeptidase activity; cysteine-type endopeptidase activity involved in apoptotic process; cyst

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