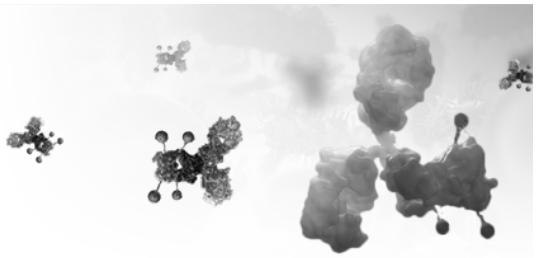

CAPN1 peptide (DAG-P1428)

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

PRODUCT INFORMATION

Antigen Description	The calpains, calcium-activated neutral proteases, are nonlysosomal, intracellular cysteine proteases. The mammalian calpains include ubiquitous, stomach-specific, and muscle-specific proteins. The ubiquitous enzymes consist of heterodimers with distinct large, catalytic subunits associated with a common small, regulatory subunit. This gene encodes the large subunit of the ubiquitous enzyme, calpain 1. Several transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Nov 2010]
Specificity	Ubiquitous.
Purity	> 95 % by SDS-PAGE.
Conjugate	Unconjugated
Applications	ELISA, WB
Sequence Similarities	Belongs to the peptidase C2 family.Contains 1 calpain catalytic domain.Contains 4 EF-hand domains.
Format	Liquid
Buffer	Preservative: None Constituents: 0.001% Tween 20, 30mM HEPES, 2mM EDTA, 150mM Sodium chloride, pH 6.75
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Preservative: None Constituents: 0.001% Tween 20, 30mM HEPES, 2mM EDTA, 150mM Sodium chloride, pH 6.75

GENE INFORMATION

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Gene Name	CAPN1 calpain 1, (mu/I) large subunit [Homo sapiens (human)]
Official Symbol	CAPN1
Synonyms	CAPN1; calpain 1, (mu/I) large subunit; CANP; muCL; CANP1; CANPL1; muCANP; calpain-1 catalytic subunit; CANP 1; calpain mu-type; micromolar-calpain; calpain-1 large subunit; calpain, large polypeptide L1; calcium-activated neutral proteinase 1; cell proliferation-inducing protein 30; cell proliferation-inducing gene 30 protein;
Entrez Gene ID	823
mRNA Refseq	NM_001198868.1
Protein Refseq	NP_001185797.1
UniProt ID	B2RDI5
Chromosome Location	11q13
Pathway	Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Alzheimers Disease, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptosis, conserved biosystem; Degradation of the extracellular matrix, organism-specific biosystem; Extracellular matrix organization, organism-specific biosystem; Focal Adhesion, organism-specific biosystem; Integrated Pancreatic Cancer Pathway, organism-specific biosystem; Integrin-mediated cell adhesion, organism-s
Function	calcium ion binding; calcium-dependent cysteine-type endopeptidase activity; calcium-dependent cysteine-type endopeptidase activity; protein binding;

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