



CAPN7 peptide (DAG-P1421)

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

PRODUCT INFORMATION

Antigen Description	Calpains are ubiquitous, well-conserved family of calcium-dependent, cysteine proteases. The calpain proteins are heterodimers consisting of an invariant small subunit and variable large subunits. The large subunit possesses a cysteine protease domain, and both subunits possess calcium-binding domains. Calpains have been implicated in neurodegenerative processes, as their activation can be triggered by calcium influx and oxidative stress. The function of the protein encoded by this gene is not known. An orthologue has been found in mouse but it seems to diverge from other family members. The mouse orthologue is thought to be calcium independent with protease activity. [provided by RefSeq, Jul 2008]
Purity	> 95 % by SDS-PAGE.
Conjugate	Unconjugated
Applications	ELISA, WB
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

Gene Name	CAPN7 calpain 7 [Homo sapiens (human)]
Official Symbol	CAPN7

Synonyms	CAPN7; calpain 7; PALBH; CALPAIN7; calpain-7; palB homolog; calpain like protease; homolog of Aspergillus Nidulans PALB;
Entrez Gene ID	23473
mRNA Refseq	NM_014296.2
Protein Refseq	NP_055111.1
UniProt ID	Q7Z479
Chromosome Location	3p24
Pathway	Integrin-mediated cell adhesion, organism-specific biosystem;
Function	MIT domain binding; calcium-dependent cysteine-type endopeptidase activity; endopeptidase activity; protein binding;