

Product datasheet for **TP761825**

Calpain 1 (CAPN1) (NM_005186) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human calpain 1, (μ g/l) large subunit (CAPN1), transcript variant 2, full length, with N-terminal GST and C-terminal His tag, expressed in E. coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding human full-length CAPN1
Tag:	N-GST and C-His
Predicted MW:	109.7 kDa
Concentration:	>0.05 μ g/ μ L as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50 mM Tris-HCl, pH 8.0, 8 M urea
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_005177
Locus ID:	823
UniProt ID:	P07384
RefSeq Size:	3110
Cytogenetics:	11q13.1
RefSeq ORF:	2142
Synonyms:	CANP; CANP1; CANPL1; muCANP; muCL; SPG76



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Summary:

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]

Protein Families:

Druggable Genome, Protease

Protein Pathways:

Alzheimer's disease, Apoptosis

Product images: