

Recombinant Human CAPN1 Protein, GST-Tagged

Cat. No. CAPN1-0355H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CAPN1 partial ORF (AAH08751, 610 a.a. - 714 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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]
Molecular Mass	37.18 kDa
AA Sequence	FNILWNRIRNYLSIFRKFDLDKSGSMSAYEMRMAIESAGFKLNKKLYELIITRYSEPD AVDFDNFVCCLVRLETMFRFFKTLDTDLGCVTFDLFKWLQLTMFA
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array

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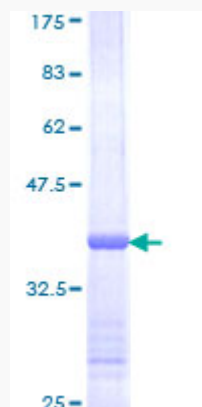
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	CAPN1 calpain 1, (mu/l) large subunit [Homo sapiens]
Official Symbol	CAPN1
Synonyms	CAPN1; calpain 1, (mu/l) large subunit; calpain-1 catalytic subunit; CANP; CANPL1; muCANP; muCL; 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; CANP1;
Gene ID	823
mRNA Refseq	NM_001198868
Protein Refseq	NP_001185797
MIM	114220
UniProt ID	P07384

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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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