

Recombinant Human CAPN7 Protein, GST-tagged

Cat. No. CAPN7-34H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CAPN7(714 a.a. - 813 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	714 a.a. - 813 a.a.
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.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	36.74 kDa
AA Sequence	NPIYQFHIEKTGPLLIELRGPRQYSVGFEVTVSTLGDPGPHGFLRKSSGDYRCGFC YLELENIPSGIFNIIPSTFLPKQEGPFFLDFNSIPIKITQLQ

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Applications	Enzyme-linked Immunoabsorbent; Assay Western Blot (Recombinant protein); Antibody Production; Protein Array
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.

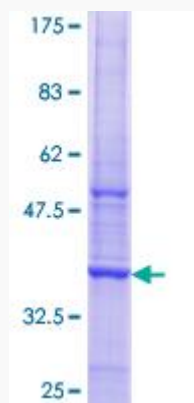
GENE INFORMATION

Gene Name	CAPN7 calpain 7 [Homo sapiens]
Official Symbol	CAPN7
Synonyms	PALBH; CALPAIN7; calpain like protease; homolog of Aspergillus Nidulans PALB; palB homolog
Gene ID	23473
mRNA Refseq	NM_014296
Protein Refseq	NP_055111
MIM	606400
UniProt ID	Q9Y6W3

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