Recombinant Human CAPN7 Protein, MYC/DDK-tagged

Cat. No. CAPN7-32H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CAPN7 fused with MYC/DDK tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
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	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	92.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Notes	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

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Concentration	>50 ug/mL as determined by microplate BCA method

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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