

Recombinant Human CAPN7 Protein (Met1-Pro157), N-His tagged

Cat. No. CAPN7-0814H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CAPN7 (Met1-Pro157) fused with the N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Pro157
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	Lyophilized powder/frozen liquid
Molecular Mass	20.13 kDa
Purity	>90% as determined by SDS-PAGE.

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Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	0.01M PBS, pH 7.4, 0.02% NLS
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.
GENE INFORMATION	
Gene Name	CAPN7 calpain 7 [Homo sapiens (human)]
Official Symbol	CAPN7
Synonyms	CAPN7; calpain 7; PALBH; CALPAIN7; calpain-7; 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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