

Recombinant Human CAPN7 Protein, GST-tagged

Cat. No. CAPN7-33H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CAPN7(235-533aa) fused with GST tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	235-533aa
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	The purified protein was resolved in 1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 15% glycerol.
AA Sequence	FAYPMPFCDRWGKLPSPKQKTTFSKWVRPEDLTNNPTMIYTVSSFSIKQTIVSDCS FVASLAISAAAYERRFNKKLITGIYPQNKDGEPEYNPCGKYMVKLHLNGVPRKVIIDDQ LPVDHKGELLCSYSNNKSELWVSLIEKAYMKVMGGYDFPGSNSNIDLHALTGWIPER

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

IAMHSDSQTFKDNSFRMLYQRFHKGDVLITASTGMMTEAEGEKWGLVPTHAYAVL
DIREFKGLRFIQLKNPWSHLRWKGRYSENDVENWTPELQKYLNFDPRTAQKIDNGIF
WISWDDLCQYYDV

Storage

Aliquot and store at -20 centigrade to -80 centigrade for up to 6 months. Avoid freeze thaw cycles.

Shipping

The product is shipped with ice packs. Upon receipt, store it immediately at -20 centigrade to -80 centigrade.

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

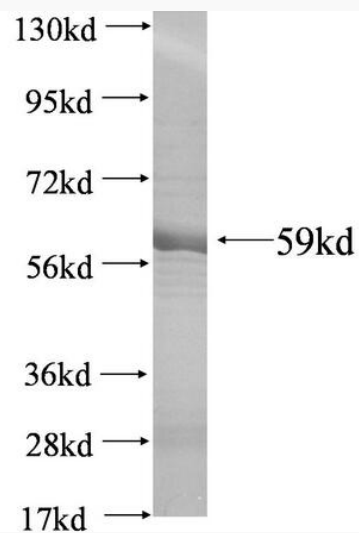
MIM 606400

UniProt ID Q9Y6W3

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