

Product datasheet for **TP308200L**

Calpain 7 (CAPN7) (NM_014296) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human calpain 7 (CAPN7), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC208200 protein sequence Red =Cloning site Green =Tags(s)

MDATALERDAVQFARLAVQRDHEGRYSEAVFYKAAQALIYAEMAGSSLENIQEKITEYLERVQALHSA
VQSKSADPLKSKHQDLERAHFLVTQAFDEDEKENVEDAIELYTEAVDLCLKTSYETADKVLQNKLKQLA
RQALDRAEALGEPLTKPVGKISSTSVKPKPPPERAHFPLGANPFLERPQSFISPCDAQGGQRYTAEIE
VLRTTSKINGIEYVPMNVNDRERFAYMPFCDRWGKLPSPKQKTTFSKWVRPEDLTNNPTMIYTVSSF
SIKQTIIVSDCSFVASLAISAAAYERRFNKLLITGIIYPQNKDGEPEYNPCGKYMVKLHLNGVPRKVIIDDQ
LPVDHKGELLCSYSNNKSELWVSLIEKAYMKVMGGYDFPGSNSNIDLHALTGWIPERIAMHSDSQTFSKD
NSFRMLYQRFHKGDVLITASTGMMTEAEGEKWGLVPTHAYAVLDIREFKGLRFIQLKNPWSHLRWKGRYS
ENDVENWTPQLQKYLNFDPRTAQKIDNGIFWISWDDLCQYYDVIYLSWNPGLFKESTCIHSTWDAKQGPV
KDAYSLANNPQYKLEVQCPQGGAAVWVLLSRHITDKDDFANNREFITMVVYKTDGKVKVYYPADPPPIYDG
IRINSPHYLTKIKLTTPGHTFTLWSQYEQNTIHYTVRVYSACSFSPYTLKSRINGKWSGQS
AGGCGNFQETHKNNPIYQFHIEKTGPLLIELRGRQYVSVGFVTVSTLGDPPHGFGRKSSGDYRCGFC
YLELENIPSGIFNIIPSTFLPKQEGPFFLDFNSIPIKITQLQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

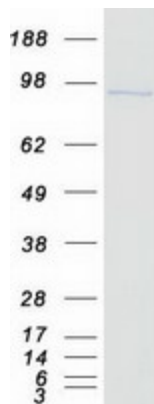
Tag:	C-Myc/DDK
Predicted MW:	92.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



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Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_055111
Locus ID:	23473
UniProt ID:	Q9Y6W3 , Q7Z479
RefSeq Size:	4385
Cytogenetics:	3p25.1
RefSeq ORF:	2439
Synonyms:	CALPAIN7; PALBH
Summary:	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. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome, Protease

Product images:



Coomassie blue staining of purified CAPN7 protein (Cat# [TP308200]). The protein was produced from HEK293T cells transfected with CAPN7 cDNA clone (Cat# [RC208200]) using MegaTran 2.0 (Cat# [TT210002]).