

#### OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

# Product datasheet for TP315171L

### Calpain 9 (CAPN9) (NM\_006615) Human Recombinant Protein

## **Product data:**

Product Type:	Recombinant Proteins		
Description:	Recombinant protein of human calpain 9 (CAPN9), transcript variant 1, 1 mg		
Species:	Human		
Expression Host:	HEK293T		
Expression cDNA Clone or AA Sequence:	>RC215171 representing NM_006615 Red=Cloning site Green=Tags(s)		
	MPYLYRAPGPQAHPVPKDARITHSSGQSFEQMRQECLQRGTLFEDADFPASNSSLFYSERPQIPFVWKRP GEIVKNPEFILGGATRTDICQGELGDCWLLAAIASLTLNQKALARVIPQDQRFGPGYAGIFHFQFWQHSE WLDVVIDDRLPTFRDRLVFLHSADHNEFWSALLEKAYAKLNGSYEALKGGSAIEAMEDFTGGVAETFQTK EAPENFYEILEKALKRGSLLGCFIDTRSAAESEARTPFGLIKGHAYSVTGIDQVSFRGQRIELIRIRNPW GQVEWNGSWSDSSPEWRSVGPAEQKRLCHTALDDGEFWMAFQDFKAHFDKVEICNLTPDALEEDAIHK WE VTVHQGSWVRGSTAGGCRNFLDTFWTNPQIKLSLTEKDEGQEECSFLVALMQKDRRKLKRFGANVLTIGY AIYECPDKDEHLNKDFFRYHASRARSKTFINLREVSDRFKLPPGEYILIPSTFEPHQEADFCLRIFSEKK AITRDMDGNVDIDLPEPPKPTPPDQETEEEQRFRALFEQVAGEDMEVTAEELEYVLNAVLQKKKDIKFKK LSLISCKNIISLMDTSGNGKLEFDEFKVFWDKLKQWINLFLRFDADKSGTMSTYELRTALKAAGFQLSSH LLQLIVLRYADEELQLDFDDFLNCLVRLENASRVFQALSTKNKEFIHLNINEFIHLTMNI		
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV		
Tag:	C-Myc/DDK		
Predicted MW:	78.9 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.		
Storage:	Store at -80°C.		



This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2025 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

	alpain 9 (CAPN9) (NM_006615) Human Recombinant Protein – TP315171L		
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:	<u>NP 006606</u>		
Locus ID:	10753		
UniProt ID:	<u>014815</u>		
RefSeq Size:	2362		
Cytogenetics:	1q42.2		
RefSeq ORF:	2070		
Synonyms:	GC36; nCL-4		
Summary: Calpains are ubiquitous, well-conserved family of calcium-dependent, cysteine prot calpain proteins are heterodimers consisting of an invariant small subunit and varia subunits. The large subunit possesses a cysteine protease domain, and both subun possess calcium-binding domains. Calpains have been implicated in neurodegeneral processes, as their activation can be triggered by calcium influx and oxidative stress protein encoded by this gene is expressed predominantly in stomach and small int may have specialized functions in the digestive tract. This gene is thought to be ass with gastric cancer. Multiple alternatively spliced transcript variants encoding differ isoforms have been found for this gene. [provided by RefSeq, Jul 2008]			
Protein Families	: Druggable Genome, Protease		

# **Product images:**

188	_	
98	-	
62	_	-
49	-	
38	-	
28	_	
17 14 63	Ξ	

Coomassie blue staining of purified CAPN9 protein (Cat# [TP315171]). The protein was produced from HEK293T cells transfected with CAPN9 cDNA clone (Cat# [RC215171]) using MegaTran 2.0 (Cat# [TT210002]).

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2025 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US