

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 TP300539

Calpain 6 (CAPN6) (NM_014289) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human calpain 6 (CAPN6), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200539 protein sequence <mark>Red</mark> =Cloning site Green=Tags(s)
	MGPPLKLFKNQKYQELKQECIKDSRLFCDPTFLPENDSLFYNRLLPGKVVWKRPQDICDDPHLIVGNISN HQLTQGRLGHKPMVSAFSCLAVQESHWTKTIPNHKEQEWDPQKTEKYAGIFHFRFWHFGEWTEVVIDDL L PTINGDLVFSFSTSMNEFWNALLEKAYAKLLGCYEALDGLTITDIIVDFTGTLAETVDMQKGRYTELVEE KYKLFGELYKTFTKGGLICCSIESPNQEEQEVETDWGLLKGHTYTMTDIRKIRLGERLVEVFSAEKVYMV RLRNPLGRQEWSGPWSEISEEWQQLTASDRKNLGLVMSDDGEFWMSLEDFCRNFHKLNVCRNVNNPIF GR KELESVLGCWTVDDDPLMNRSGGCYNNRDTFLQNPQYIFTVPEDGHKVIMSLQQKDLRTYRRMGRPDN YI IGFELFKVEMNRKFRLHHLYIQERAGTSTYIDTRTVFLSKYLKKGNYVLVPTMFQHGRTSEFLLRIFSEV PVQLRELTLDMPKMSCWNLARGYPKVVTQITVHSAEDLEKKYANETVNPYLVIKCGKEEVRSPVQKNTVH AIFDTQAIFYRRTTDIPIIVQVWNSRKFCDQFLGQVTLDADPSDCRDLKSLYLRKKGGPTAKVKQGHISF
	KVISSUULIEL
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	74.4 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.



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

	Calpain 6 (CAPN6) (NM_014289) Human Recombinant Protein – TP300539
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.
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 055104</u>
Locus ID:	827
UniProt ID:	Q9Y6Q1
RefSeq Size:	3604
Cytogenetics:	Xq23
RefSeq ORF:	1923
Synonyms:	CalpM; CANPX; CAPNX; DJ914P14.1
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 protein encoded by this gene is highly expressed in the placenta. Its C-terminal region lacks any homology to the calmodulin-like domain of other calpains. The protein lacks critical active site residues and thus is suggested to be proteolytically inactive. The protein may play a role in tumor formation by inhibiting apoptosis and promoting angiogenesis. [provided by RefSeq, Nov 2009]
Protein Families	: Druggable Genome, Protease

Product images:



Coomassie blue staining of purified CAPN6 protein (Cat# TP300539). The protein was produced from HEK293T cells transfected with CAPN6 cDNA clone (Cat# [RC200539]) 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