

Recombinant Human CAPN6 Protein, MYC/DDK-tagged

Cat. No. CAPN6-23H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CAPN6 fused with MYC/DDK tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
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 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.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	74.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Notes	Recombinant protein was captured through anti-DDK affinity column followed by

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conventional chromatography steps.

Concentration >50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name CAPN6 calpain 6 [Homo sapiens]

Official Symbol CAPN6

Synonyms CALP M; Calpain-6; Calpain-like protease X-linked; Calpamodulin; CALPM; CAN6_HUMAN; CANP X; CANPX; CAPN 6; CAPN6

Gene ID 827

mRNA Refseq NM_014289.3

Protein Refseq NP_055104

MIM 300146

UniProt ID Q9Y6Q1

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