

Recombinant Human CAPN9, His-tagged

Cat. No. CAPN9-10707H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CAPN9 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	178-627a.a.
Description	Neuronal CDC2-like kinase, which is involved in the regulation of neuronal differentiation, is composed of a catalytic subunit, CDK5, and an activating subunit, p25NCK5A. The protein encoded by this gene binds to p25NCK5A and therefore may be involved in neuronal differentiation. Multiple transcript variants exist for this gene, but the full-length natures of only two have been determined.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

Gene Name	CAPN9 calpain 9 [Homo sapiens]
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Official Symbol	CAPN9
Synonyms	CAPN9; calpain 9; calpain 9 (nCL 4); calpain-9; GC36; nCL 4; novel calpain large subunit 4; new calpain 4; novel calpain large subunit-4; digestive tract-specific calpain; nCL-4;
Gene ID	10753
mRNA Refseq	NM_006615
Protein Refseq	NP_006606
MIM	606401
UniProt ID	O14815
Chromosome Location	1q42.11-q42.3
Pathway	Integrin-mediated cell adhesion, organism-specific biosystem;
Function	calcium ion binding; calcium-dependent cysteine-type endopeptidase activity; peptidase activity;

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