

Recombinant Human CAPN3 protein

Cat. No. CAPN3-31H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CAPN3, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	156aa
Description	Phosphatidylethanolamine-binding protein 1 binds ATP, opioids and phosphatidylethanolamine. It has lower affinity for phosphatidylinositol and phosphatidylcholine. It is thought that this protein also function as serine protease inhibitor which inhibits thrombin, neuropsin and chymotrypsin but not trypsin, tissue type plasminogen activator and elastase. PEBP-1 also inhibits the kinase activity of RAF1 by inhibiting its activation and by dissociating the RAF1/MEK complex and acting as a competitive inhibitor of MEK phosphorylation. HCNP may be involved in the function of the presynaptic cholinergic neurons of the central nervous system. HCNP increases the production of choline acetyltransferase but not acetylcholinesterase. It seems to be mediated by a specific receptor.
Form	20mM Tris.Cl, 50mM NaCl, 20% Glycerol, pH9.0.
Molecular Mass	18.2kDa
Applications	WB, ELISA, IP, antibody production, protein array

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Storage Store at -80°C and avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name CAPN3 calpain 3, (p94) [Homo sapiens]

Official Symbol CAPN3

Synonyms CAPN3; LGMD2, LGMD2A; calpain-3; CANP3; nCL 1; p94; calpain L3; LGMD2; nCL-1; CANPL3; LGMD2A; MGC4403; MGC10767; MGC11121; MGC14344;

Gene ID 825

mRNA Refseq NM_000070

Protein Refseq NP_000061

MIM 114240

UniProt ID P20807

Chromosome Location Integrin-mediated cell adhesion, organism-specific biosystem; TNF-alpha/NF-kB Signaling Pathway, organism-specific biosystem;

Pathway calcium ion binding; calcium ion binding; calcium-dependent cysteine-type endopeptidase activity; calcium-dependent cysteine-type endopeptidase activity; calcium-dependent cysteine-type endopeptidase activity; catalytic activity; cysteine-type peptidase activity;

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