

Recombinant Human CALM3 protein, His-tagged

Cat. No. CALM3-30H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CALM3, fused with N-His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	164aa(including fusion tag)
Description	Calmodulin mediates the control of a large number of enzymes, ion channels and other proteins by Ca ²⁺ . Among the enzymes to be stimulated by the calmodulin-Ca ²⁺ complex are a number of protein kinases and phosphatases. Together with CEP110 and centrin, is involved in a genetic pathway that regulates the centrosome cycle and progression through cytokinesis.
Form	20mM Tris.Cl, 50mM NaCl, 50% Glycerol, pH8.0.
Molecular Mass	18.7kDa(including fusion tag)
Applications	WB, ELISA, IP, antibody production, protein array
Storage	Store at -80°C and avoid repeated freeze-thaw cycles

GENE INFORMATION

Gene Name	CALM3 calmodulin 3 (phosphorylase kinase, delta) [Homo sapiens]
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Official Symbol	CALM3
Synonyms	CALM3; calmodulin; PHKD; caM; CALM1; CALM2; PHKD3;
Gene ID	808
mRNA Refseq	NM_005184
Protein Refseq	NP_005175
MIM	114183
UniProt ID	P62158
Chromosome Location	Activation of Ca-permeable Kainate Receptor, organism-specific biosystem; Activation of CaMK IV, organism-specific biosystem; Activation of Kainate Receptors upon glutamate binding, organism-specific biosystem; Activation of NMDA receptor upon glutamate binding and postsynaptic events, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem;
Pathway	N-terminal myristoylation domain binding; calcium ion binding; calcium ion binding; calcium ion binding; calcium-dependent protein binding; kinase activity; phosphatidylinositol 3-kinase binding;

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