

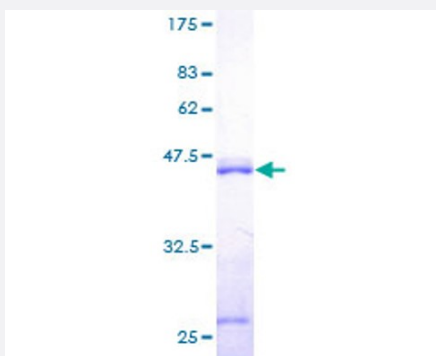
Full-Length

CALM2 (Human) Recombinant Protein (P01)

Catalog # H00000805-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CALM2 full-length ORF (AAH03354, 1 a.a. - 149 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MADQLTEEQIAEFKEAFSLFDKDGDTITTKELGTVMRSLGQNPTEAELQDMINEVDADGNGTIDF PEFLTMMARKVKDTSSEEEIREAFRVFDKDGNGYISAAELRHVMTNLGEKLTDEEVDEMIREADID GDGQVNYEEFVQMMTAK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	42.13
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CALM2

Entrez GeneID	805
GeneBank Accession#	BC003354
Protein Accession#	AAH03354
Gene Name	CALM2
Gene Alias	CAMII, PHKD, PHKD2
Gene Description	calmodulin 2 (phosphorylase kinase, delta)
Omim ID	114182
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	LP7057 protein calmodulin 2 phosphorylase kinase delta

Publication Reference

- [Label-free detection of protein-protein interactions using a calmodulin-modified nanowire transistor.](#)
 Lin TW, Hsieh PJ, Lin CL, Fang YY, Yang JX, Tsai CC, Chiang PL, Pan CY, Chen YT.
 PNAS 2010 Jan; 107(3):1047.
 Application: Func, PI, GSH/SiNW-FET

Pathway

- [Calcium signaling pathway](#)
- [Glioma](#)
- [GnRH signaling pathway](#)
- [Insulin signaling pathway](#)
- [Long-term potentiation](#)
- [Melanogenesis](#)
- [Neurotrophin signaling pathway](#)
- [Olfactory transduction](#)
- [Phosphatidylinositol signaling system](#)
- [Vascular smooth muscle contraction](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Osteoarthritis](#)
- [Osteoporosis](#)
- [Tobacco Use Disorder](#)
- [Ventricular Dysfunction](#)