

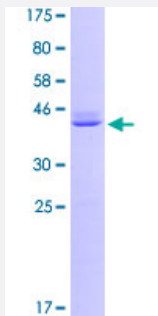
Full-Length

CALM2 (Human) Recombinant Protein (P02)

Catalog # H00000805-P02

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human CALM2 full-length ORF (NP_001734.1, 1 a.a. - 149 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MADQLTEEQIAEFKEAFSLFDKGDGTITTKELGTVMRSLGQNPTEAELQDMINEVDADGNGTIDF
PEFLTMMARKMKD TDSEEEIREAFRVFDKDGNGYISAAELRHVMTNLGEKLTDEEVDEMIREADI
DGDGQVNYEEFVQMMTAK

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

43.2

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#	NM_001743.3
Protein Accession#	NP_001734.1
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

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](#)