

Bioactive

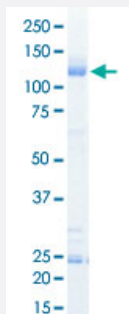
Full-Length

MARK2 (Human) Recombinant Protein

Catalog # P5594

Size 5 ug

Applications



Result of activity analysis

Result of activity analysis

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Specification

Product Description	Human MARK2 (NP_059672.2, 1 a.a. - 745 a.a.) full-length recombinant protein with GST tag expressed in baculovirus infected Sf21 cells.
Host	insect
Theoretical MW (kDa)	110
Form	Liquid
Preparation Method	Baculovirus infected insect cell (Sf21) expression system
Purification	Glutathione sepharose chromatography
Purity	63 % by SDS-PAGE/CBB staining

Activity	The activity was measured by off-chip mobility shift assay. The enzyme was incubated with fluorescence-labeled substrate and Mg(or Mn)/ATP. The phosphorylated and unphosphorylated substrates were separated and detected by LabChip 3000. Substrate: CHKtide. ATP: 100 uM.
Quality Control Testing	Loading 1 ug protein in SDS-PAGE
Storage Buffer	In 50 mM Tris-HCl, 150 mM NaCl, pH 7.5 (0.05% Brij35, 1 mM DTT, 10% glycerol)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis Result of activity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — MARK2

Entrez GeneID	2011
Protein Accession#	NP_059672.2
Gene Name	MARK2
Gene Alias	EMK1, MGC99619, PAR-1, Par1b
Gene Description	MAP/microtubule affinity-regulating kinase 2
Omim ID	600526
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the Par-1 family of serine/threonine protein kinases. The protein is an important regulator of cell polarity in epithelial and neuronal cells, and also controls the stability of microtubules through phosphorylation and inactivation of several microtubule-associated proteins. The protein localizes to cell membranes. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	ELKL motif kinase 1 Ser/Thr protein kinase PAR-1B protein-serine/threonine kinase serine/threonine kinase

Disease

- [Coronary Artery Disease](#)