

Bioactive

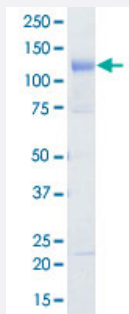
Full-Length

MARK4 (Human) Recombinant Protein

Catalog # P5595

Size 5 ug

Applications



Result of activity analysis

Result of activity analysis

□

Specification

Product Description	Human MARK4 (NP_113605.2, 1 a.a. - 688 a.a.) full-length recombinant protein with GST tag expressed in baculovirus infected Sf21 cells.
Host	insect
Theoretical MW (kDa)	103
Form	Liquid
Preparation Method	Baculovirus infected insect cell (Sf21) expression system
Purification	Glutathione sepharose chromatography and anion exchange chromatography
Purity	85 % 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 — MARK4

Entrez GeneID	57787
Protein Accession#	NP_113605.2
Gene Name	MARK4
Gene Alias	FLJ90097, KIAA1860, MARKL1, Nbla00650
Gene Description	MAP/microtubule affinity-regulating kinase 4
Omim ID	606495
Gene Ontology	Hyperlink
Other Designations	MAP/microtubule affinity-regulating kinase like 1 MARK4 serine/threonine protein kinase putative protein product of Nbla00650

Disease

- [Alzheimer Disease](#)
- [Cleft Lip](#)

- [Cleft Palate](#)
- [Genetic Predisposition to Disease](#)