

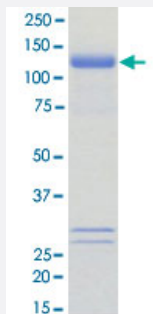
Bioactive

Full-Length

MARK3 (Human) Recombinant Protein

Catalog # P5727 Size 5 ug

Applications



Result of activity analysis

Result of activity analysis

Specification

Product Description	Human MARK3 (NP_002367.4, 1 a.a. - 729 a.a.) full-length recombinant protein with GST tag expressed in Baculovirus infected Sf21 cells.
Host	insect
Theoretical MW (kDa)	108
Form	Liquid
Preparation Method	Baculovirus infected insect cell (Sf21) expression system
Purification	Glutathione sepharose chromatography
Purity	73 % 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 μM.
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 — MARK3

Entrez GeneID	4140
Protein Accession#	NP_002367.4
Gene Name	MARK3
Gene Alias	CTAK1, KP78, PAR1A
Gene Description	MAP/microtubule affinity-regulating kinase 3
Omim ID	602678
Gene Ontology	Hyperlink
Other Designations	-

Disease

- [Fractures](#)
- [Genetic Predisposition to Disease](#)

- [Obesity](#)
- [Osteoporosis](#)
- [Wounds and Injuries](#)