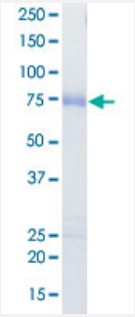
Bioactive Full-Length

MGC42105 (Human) Recombinant Protein

Catalog # P5597 Size 5 ug

Applications



Result of activity analysis

Result of activity analysis

Specification

Product Description	Human MGC42105 (NP_699192.1, 1 a.a. - 436 a.a.) full-length recombinant protein with GST tag expressed in baculovirus infected Sf21 cells.
Host	insect
Theoretical MW (kDa)	76
Form	Liquid
Preparation Method	Baculovirus infected insect cell (Sf21) expression system
Purification	Glutathione sepharose chromatography and anion exchange chromatography
Purity	71 % 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 MSA device. Substrate: CHK1tide. 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 — MGC42105

Entrez GeneID	167359
Protein Accession#	NP_699192.1
Gene Name	MGC42105
Gene Alias	NIM1
Gene Description	serine/threonine-protein kinase NIM1
Gene Ontology	Hyperlink
Other Designations	-

Disease

- Kidney Failure