

Bioactive

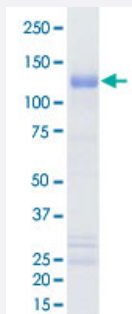
Full-Length

SIK1 (Human) Recombinant Protein

Catalog # P5639

Size 5 ug

Applications



Result of activity analysis

Result of activity analysis

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Specification

| | |
|-----------------------------|--|
| Product Description | Human SIK1 (NP_775490.2, 1 a.a. - 783 a.a.) full-length recombinant protein with GST tag expressed in baculovirus infected Sf21 cells. |
| Host | insect |
| Theoretical MW (kDa) | 112 |
| Form | Liquid |
| Preparation Method | Baculovirus infected insect cell (Sf21) expression system |
| Purification | Glutathione sepharose chromatography |
| Purity | 63 % by SDS-PAGE/CBB staining |

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|-------------------------|--|
| 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: AMARA peptide. 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 — SIK1

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|--------------------|--|
| Entrez GeneID | 150094 |
| Protein Accession# | NP_775490.2 |
| Gene Name | SIK1 |
| Gene Alias | MSK, SIK, SNF1LK |
| Gene Description | salt-inducible kinase 1 |
| Omim ID | 605705 |
| Gene Ontology | Hyperlink |
| Other Designations | SNF1-like kinase myocardial SNF1-like kinase serine/threonine protein kinase |

Disease

- [Tobacco Use Disorder](#)