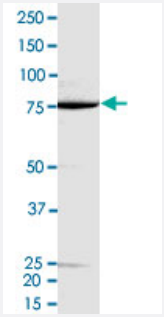
Bioactive Full-Length

# RP6-213H19.1 (Human) Recombinant Protein

Catalog # P4728 Size 100 ug

## Applications




### Result of activity analysis

Result of activity analysis

## Specification

| | |
|---|---|
| **Product Description** | Human RP6-213H19.1 (NM_016542, 1 a.a. - 416 a.a.) full-length recombinant protein with GST-His tag expressed in Sf9 cells. |
| **Host** | insect |
| **Theoretical MW (kDa)** | 76.42400000000001 |
| **Form** | Liquid |
| **Preparation Method** | Insect cell (Sf9) expression system |
| **Purification** | One-step affinity purification using GSH-agarose |
| **Concentration** | 0.209 ug/uL |

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|---|---|
| **Activity** | 18 pmol/ug x min |
| **Quality Control Testing** | 2 ug/lane SDS-PAGE Stained with Coomassie Blue |
| **Storage Buffer** | In 50 mM Tris-HCl, 100 mM NaCl, pH 8.0. (5 mM DTT, 15 mM reduced glutathione, 20% glycerol) |
| **Storage Instruction** | Store at -80°C.<br>Aliquot to avoid repeated freezing and thawing |
| **Note** | Result of activity analysis<br>Result of activity analysis |

## Applications

- Functional Study
- SDS-PAGE

## Gene Info — RP6-213H19.1

| | |
|---|---|
| **Entrez GeneID** | 51765 |
| **Protein Accession#** | NM_016542 |
| **Gene Name** | RP6-213H19.1 |
| **Gene Alias** | MASK, MST4 |
| **Gene Description** | serine/threonine protein kinase MST4 |
| **Omim ID** | 300547 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | The product of this gene is a member of the GCK group III family of kinases, which are a subset of the Ste20-like kinases. The encoded protein contains an amino-terminal kinase domain, and a carboxy-terminal regulatory domain that mediates homodimerization. The protein kinase localizes to the Golgi apparatus and is specifically activated by binding to the Golgi matrix protein GM130. It is also cleaved by caspase-3 in vitro, and may function in the apoptotic pathway. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been determined. [provided by RefSeq |
| **Other Designations** | Mst3 and SOK1-related kinase\|STE20-like kinase MST4\|mammalian Ste20-like protein kinase 4\|mammalian sterile 20-like 4\|serine/threonine protein kinase MASK |

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