

## Recombinant Human SRPK1 (N-GST tag)

Cat No:HR2R1966

For research use only

### Overview

|                    |   |
|--------------------|---|
| Quantity           | 10 ?g   |
| Gene Symbol        | SRPK1   |
| Gene ID            | N/A   |
| Accession          | BC038292  |
| Alternative Name   | SFRSK1  |
| Species            | Human   |
| Source             | Insect cells  |
| Description        | SRPK1 is a Ser/Thr protein kinase that has sequence and function similar to SRPK2. In human cancer cells, it was observed that inactivation of SRPK1 induces cellular resistance to anticancer drugs such as cisplatin and bleomycin . SRPK1 phosphorylates serine/arginine-rich (SR) proteins, such as splicing factors ASF/SF2, SC35, and SRp55, in their arginine/serine-rich (RS) domains in vitro. Hence it is believed that SRPK1 plays a key role in regulation of both constitutive and alternative splicing by regulating intracellular localization of splicing factors . |
| Functions          | The specific activity of SRPK1 was determined to be 196 nmol /min/mg as per activity assay protocol.  |
| Formulation        | 50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.  |
| Solubility         | N/A   |
| Appearance         | Liquid  |
| Molecular Weight   | 130   |
| Purity             | 70% - 90%   |
| Concentration      |   |
| Shipping Condition | Dry Ice   |
| Storage Condition  | Store product at ?70?C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.   |