Recombinant Human SFRS Protein Kinase 1, GST-His

Cat. No. SRPK1-713H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SRPK1, Amino acids M1-S655, N-terminally fused to GST-HIS6-Thrombin cleavage site, was expressed in*Sf9*cells. MW = 104,220 Da.
Species	Human
Source	Sf9 Cells
ProteinLength	1-655 a.a.
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.
Purification	One-step affinity purification using GSH-agarose.
Product Identity	SRPK1 was confirmed as human SRPK1 by mass spectroscopy LC-ESI-MS/MS (Protagen AG, Germany).
Storage Buffer	50 mM Tris-HCl, pH 8.0; 100 mM NaCl, 5 mM DTT, 4 mM reduced glutathione, 20% glycerol.
Concentration	0.250 μg/μl (Bradford method using BSA [Sigma, cat# A-7638, Lot 79H7641] as standard protein).

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Specific Activity	91 pmol/μg×min.
Storage	-80°C. Avoid repeated freeze-thaw cycles!

GENE INFORMATION

Gene Name	SRPK1 SFRS protein kinase 1 [Homo sapiens]
Synonyms	SRPK1; SFRS protein kinase 1; SFRSK1; SR protein kinase 1; EC 2.7.11.1; SR-protein-specific kinase 1; Serine/arginine-rich protein-specific kinase 1; Serine/threonine-protein kinase SRPK1
Gene ID	6732
mRNA Refseq	NM_003137
Protein Refseq	NP_003128
MIM	601939
UniProt ID	Q96SB4
Chromosome Location	6p21.3-p21.2
Function	ATP binding; magnesium ion binding; nucleotide binding; protein binding; protein serine/threonine kinase activity; transferase activity

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