

## SRPK3 Protein, Human (sf9, GST)

Cat. No.:	HY-P76659
Synonyms:	SRSF protein kinase 3; MSSK-1; Serine/threonine-protein kinase 23; MSSK1; STK23
Species:	Human
Source:	Sf9 insect cells
Accession:	Q9UPE1-1 (S2-P567)
Gene ID:	26576
Molecular Weight:	Approximately 100 kDa

### PROPERTIES

Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Solution.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	Please use rapid thawing with running water to thaw the protein.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

### DESCRIPTION

Background	SRPK3, a serine/arginine-rich protein-specific kinase, intricately modulates cellular processes by selectively phosphorylating substrates at serine residues within arginine/serine dipeptide-rich regions, designated as RS domains. In vitro studies highlight SRPK3's phosphorylation activity on key targets such as the SR splicing factor SRSF1 and the lamin-B receptor (LBR). The significance of SRPK3 extends beyond molecular interactions, as it proves indispensable for normal muscle development, emphasizing its integral role in the intricate orchestration of biological pathways governing muscle maturation.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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