

Active Recombinant Full Length Human SRPK3 Protein, C-Flag-tagged

Cat. No. SRPK3-997HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human SRPK3 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a protein kinase similar to a protein kinase which is specific for the SR (serine/arginine-rich domain) family of splicing factors. A highly similar protein has been shown to play a role in muscle development in mice. Multiple transcript variants encoding different isoforms have been found for this gene.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Bio-activity	SRPK3 activity verified in a biochemical assay: SRPK3 (SRSF protein kinase 3) activity was measured in a homogeneous time-resolved fluorescent (HTRF®) assay. SRPK3 is a serine/threonine kinase similar to a protein kinase which is specific for the SR (serine/arginine-rich domain) family of splicing factors. Varying concentrations of SRPK3 were added to a reaction mix containing ATP and a biotinylated kinase substrate and the reaction mixture was incubated to allow the protein to phosphorylate the substrate. HTRF detection reagents were then added, and the time-resolved fluorescent signal was measured on a Flexstation 3 microplate reader. The time resolved fluorescent signal is expressed as "delta R" or "ΔR" and is a ratio

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	calculated from the fluorescent emission intensities of the donor and acceptor fluors.
Molecular Mass	61.8 kDa
AA Sequence	MSASTGGGGDSGGSGGSSSSSQASCGPESSGSELALATPVPQMLQGLLGSDDEE QEDPKDYCKGGYHPVK IGDVFNGRYHVVRKLGWGHFSTVWLCWDIQRKRFFALK VVKSGHYTETAVDEIKLLKCVRDSDPSDPKR ETIVQLIDDFRISGVNGVHVCMLVE VLGHQLLKWIKSNYQGLPVPCKSIVRQVLHGLDYLTCKCKIIH TDIKPENILLCVGD AYIRRLAAEATEWQQAGAPPPSRIVSTAPQEVLTGKLSKNKRKKMRRKRKQQKR LLEERLRDLQRLEAMEAATQAEDSGLRLDGGSGSTSSSGCHPGGARAGPSPASSS PAPGGGRSLSAGSQT SGFSGSLFSPASCSILSGSSNQRETGGLLSPSTPFGASNLL VNPLEPQNADKIKIKIADLGNACWVHKHF TEDIQTRQYRAVEVLIGAEYGPPADIWST ACMAFELATGDYLFEPHSGEDYSRDEDHIAHIVELLGDIPP AFALSGRYSREFFNRR GELRHIHNLKHWGLYEVLMEKYEWPLEQATQFSAFLPMMEYIPEKRASAADCL QHPWLNPTTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Protein Kinase

Full Length
Full L.

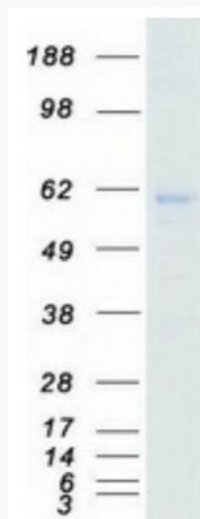
GENE INFORMATION

Gene Name [SRPK3 SRSF protein kinase 3 \[Homo sapiens \(human\) \]](#)
Official Symbol [SRPK3](#)
Synonyms MSSK1; STK23; MSSK-1

Gene ID [26576](#)
mRNA Refseq [NM_014370.4](#)
Protein Refseq [NP_055185.2](#)
MIM [301002](#)
UniProt ID [Q9UPE1](#)
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Coomassie blue staining of purified SRPK3 protein.

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