

## Product datasheet for **MG220564**

### **Srpk3 (NM\_019684) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Srpk3 (NM_019684) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Srpk3
Synonyms:	Mssk1; Stk23
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG220564 representing NM\_019684  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGTGCCAATGCCGGTGGTAGTGGTAGTGTGGATTGTGGCGGCAGCAGCAGCAGCTCTCAGACTTCTCT  
 GTGGGCTGAGTCTCAGGCTCTGAATTAAGTCCAGCCACACCAGCACCTCGTTTGTGCAGGGACTCCT  
 GGGCTCTGATGATGAGGAACAGGAAGACCCTAAGGACTATTGCAAGGGTGGTTACTACCCAGTGAAGATC  
 GGTGATTTGTTCAATGGGCGGTACCATGTGGTGCGAAAGCTAGGCTGGGGCCATTTCTCTACAGTCTGGC  
 TCTGCTGGGATATTCAGCGCAAGCGCTTTGTGGCCCTGAAAGTGGTGAAGAGTGCAGGACATTACACTGA  
 GACAGCCGTGGATGAGATCAAGCTCCTGAAATGTGTGAGGACAGTGACCCTAGTGACCCAAAAGGGAG  
 ACCATTGTTCACTTATCGATGACTTCAGGATCTCAGGAGTAAATGGAGTCCATGTATGCATGGTGTAG  
 AGGTCCTGGGCCACCAGCTCCTCAAGTGGATCATCAAATCCAACCTACCAGGCTGCCTGTGCCCTGTGT  
 TAAGAGCATTGTTAGACAGGTGTGCATGGTCTGGATTACCTCCATACTAAGTGAAGATCATCCATACG  
 GACATCAAGCCTGAGAACATCTTACTGTGTGGTGGAGATGCCTACATCAGGCGCCTGGCTGCTGAAGCCA  
 CAGAGTGGCAGCAGTCAAGGGCCAGCCCCATCCCGTCCACAGTCAAGTCAAGTCAAGTCAAGTCAAGT  
 GATTGGCAAGCTGTCAAAAACAAGAGGAAGAAGATGAGGCGCAAAAGGAAGCAACAGAAGAGGCTGCTG  
 GAGGAGCGGCTGAGGGACTTGCAGAGGCTAGAGGCTATGGAGGCCGAGTACAAGCTGAGGACTCCAGCT  
 CAAGACTAGAACGGGCGAGCGCTCCACCTCTTCTTCAAGCTGCCACCCGGAGGGCACCAGAGCTGGCCC  
 TTCTCCAGCCTCTTCTCCCTGTGCCCTGGGGGGAACGAAGCCTTAGTCCAGCTCGCAGACCTCAGGT  
 TTTTCAGGTCCTGTTCTCCACGGCTTCTGCTCCATCCTCTCAGGTTCAATCAAGTCAAGTCAAGTCAAG  
 TGCAGACAAGATCAAGATCAAGATTGCAGACCTTGGCAACGCCTGCTGGGTGCACAAGCACTTCACTGAG  
 GATATTAGACTCGGCAGTACAGGGCCGTGGAGGTGCTGATCGGTGCCGAGTATGGGCCCCAGCTGACA  
 TCTGGAGCACAGCATGCATGGCTTTTGAGCTGGCCACTGGTACTACCTATTTGAGCCCCACTCTGGAGA  
 AGACTACAGTCGTGATGAGGACCACATTGCTCATATCGTGAAGTCTTAGGAGACATCCCTCCAGCTTTT  
 GCCCTCTCAGGCCGATATTCACGGGAGTTCTTCAACCGTAGAGGAGAGCTGCGCCACATCCCAACCTCA  
 AGCACTGGGGCTATATGAGGTGCTCATGGAGAAGTATGAGTGGCCCTGGAGCAGGCCACACAGTTCAG  
 TGCCCTTCTGTTGCCATGATGGAGTACATCCCTGAGAAGCGGGCCAGTGTGCCGACTGCCTCCAGCAT  
 CCCTGGCTTAATCCA

**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA**

**Protein Sequence:**

>MG220564 representing NM\_019684  
 Red=Cloning site Green=Tags(s)

MSANAGSGSVDCGGSSSSSQTSCGPESSELTPATPAPRLLQGLLGSDDDEEQEDPKDYCKGGYYPVKI  
 GDLFNGRYHVVRKLGWGHFSTVWLCWDIQRKRFVALKVVKSAGHYTETAVIDEIKLLKCVRSDSPDPKRE  
 TIVQLIDDFRISGVNGVHVMLEVLGHQLLKIISNYQGLPVPCVKSIVRQVLHGLDYLHTKCKIIHT  
 DIKPENILLCVGDAYIRRLAAEAETEWAQSGAQPSPSRSTVSTAPQEVLIKLSKNKRKMRKRKQKRL  
 EERLRLQRLQLEAMEAAVQAEDSSRLERGSSTSSGCHPEGTRAGPSPASSPVPGGERSLSPSSQTS  
 FSGSLFSTASCSILSGSSNQRETGGLLSPSTPFGASNLLVNPLEPQNADKIKIKIADLGNACVWHKHFT  
 DIQTRQYRAVEVLIGAEYGPADIWSTACMAFELATGDYLFEPHSGEDYSRDEDHIAHIVELLGDIPPAF  
 ALSGRYSREFFNRRGELRHIPNLKHWGLYEVLMKEYEWPLEQATQFSAFLLPMEYIPEKRASAADCLQH  
 PWLNP

**TRTRPLE - GFP Tag - V**

**Restriction Sites:**

Sgfl-MluI



<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_019684.2</a> , <a href="#">NP_062658.1</a>
<b>RefSeq Size:</b>	1983 bp
<b>RefSeq ORF:</b>	1698 bp
<b>Locus ID:</b>	56504
<b>UniProt ID:</b>	<a href="#">Q9Z0G2</a>
<b>Cytogenetics:</b>	X A7.3
<b>Gene Summary:</b>	Serine/arginine-rich protein-specific kinase which specifically phosphorylates its substrates at serine residues located in regions rich in arginine/serine dipeptides, known as RS domains. Phosphorylates the SR splicing factor SRSF1 and the lamin-B receptor (LBR) in vitro. Required for normal muscle development.[UniProtKB/Swiss-Prot Function]