

Product datasheet for **RG230241**

STK23 (SRPK3) (NM_001170761) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STK23 (SRPK3) (NM_001170761) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	STK23
Synonyms:	MSSK-1; 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:

>RG230241 representing NM_001170761
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGCGCCAGCACGGGCGGTGGTGGGGACAGCGCGGCAGCGGCGGCAGTAGCAGCAGCTCACAGGCC
 CCTGCGGGCCCGAGTCTCGGGCTCCGAACTAGCCCTGGCCACACCGGTGCCTCAGATGCTGCAGGGCCT
 TCTGGGCTCCGACGACGAGGAACAGGAAGACCCCAAAGACTACTGCAAGGGCGGCTACCACCCTGTGAAG
 ATCGGCGACGTGTTCAATGGGCGGTACCACGTGGTGCACAACTGGGCTGGGGCCACTTCTCCACCGTCT
 GGCTCTGCTGGGACATCCAGCGCAAGCGCTTTGTGGCCCTCAAAGTGGTGAAGAGTGCAGGGCATTACAC
 GGAGACAGCTGTGGATGAGATCAAGCTCCTGAAATGTGTCCGGGACAGCGACCCAGTGACCCAAAAGA
 GAGACCATTGTCCAGCTCATTGATGACTCAGGATCTCAGGAGTCAATGGAGTCCATGTGTGCATGGTGC
 TGGAGGTGCTGGCCACCAGCTCCTCAAATGGATCATCAAGTCCAACCTACCAGGGCCTGCCCGTGCCTG
 CGTGAAGAGCATCGTGAGGCAGGTGCTGCACGGCCTGGACTACCTCCACACCAAGTGCAAGATCATCCAC
 ACGGACATCAAGCCCAGAACATCTTGCTGTGTGTGGGGACGCTTACATCAGGGCCTGGCTGCCGAGG
 CCACGGAGTGGCAACAGGCAGGGGCGCCGCCCCCTCCCGCTCCATAGTCAGCACTGCCCCCCAGGAGGT
 CTTGACCGGTAAGCTGTCCAAAAACAAGAGGAAGAAGATGAGGCGCAAACGGAAACAGCAGAAGCGGCTG
 CTGGAGGAGCGGCTGCGGGACCTGCAGAGGCTGGAGGCCATGGAGGCTGCCACCCAGGCTGAGGACTCTG
 GCTTGAGACTAGACGGGGCAGCGGCTCCACATCCTCTTCAGGCTTCTCCGGCTCCCTCTTCTCTCTCTGC
 CTCCTGCTCCATCCTCTCCGGCTCGTCCAATCAGCGAGAGACCGGGGCCCTCTGTCCCTAGCACACCA
 TTCGGTGCCTCGAACCTCCTGGTGAACCCCTGGAGCCCCAAAATGCAGATAAGATCAAGATCAAGATCAAGTGC
 CAGACTGGGCAACGCCTGCTGGTGCACAAGCACTTCACGGAAGACATCCAGACTCGGCAGTACCGGGC
 CGTCGAGGTGCTGATCGGCGCCGAATACGGCCCCCGGCAGACATCTGGAGCACAGCCTGCATGGCCTTC
 GAGCTGGCCACTGGTACTACCTGTTCCAGCCGATTCTGGAGAAGACTACAGTCGTGATGAGGACCACA
 TCGCTCACATAGTGGAGCTTCTGGGGACATCCCCCAGCCTTCGCCCTCTCAGGCCGCTATTCCCGGGA
 GTTCTTCAACCGGAGAGGAGAGCTGCGGCACATCCACAATCTCAAGCACTGGGGCCTGTACGAGGTACTC
 ATGAAAAGTACGAGTGGCCCTAGAGCAGGCCACACAGTTCAGCGCCTTCTGTGCCATGATGGAGT
 ACATCCCCGAAAAGCGGGCCAGTGCCGCTGACTGCCTCCAGCACCCCTGGCTCAACCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG230241 representing NM_001170761
 Red=Cloning site Green=Tags(s)

MSASTGGGDSGGSGSSSSSQASCGPESSELALATPVPQMLQGLLGSDDDEEQEDPKDYCKGGYHPVK
 IGDVFNTRYHVRKLGWGHFSTVWLCWDIQRKRFVALKVVKSAGHYTETAVDEIKLLKVRSDPSDPKR
 ETIVQLIDDFRISGVNGVHVMVLEVLGHQLLKWIIKSNYQGLPVPVKSIVRQVLHGLDYLHTKCKIIH
 TDIKPENILLCVGDAYIRRLAAEAETWQQAGAPPSRSIVSTAPQEVLTGKLSKNKRKMRKRKQKRL
 LEERLRLQRLEAMEAATQAEDSGLRLDGGSGSTSSSGFSGSLFSPASCSILSGSSNQRETGLLSPSTP
 FGASNLLVNPLEPQNADKIKIKIADLGNACWVHKHFTEDIQTRQYRAVEVLIGAEYGPPIWSTACMAF
 ELATGDYLFEPHSGEDYSRDEDHIAHIVELLGDIPPAFALSGRYSREFFNRRGELRHIHNLKHWGLYEVL
 MEKYEWPLEQATQFSAFLPMMEYIPEKRASAADCLQHPWLN

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001170761

ORF Size: 1599 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: 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).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

RefSeq: [NM_001170761.1](#), [NP_001164232.1](#)

RefSeq Size: 1900 bp

RefSeq ORF: 1602 bp

Locus ID: 26576

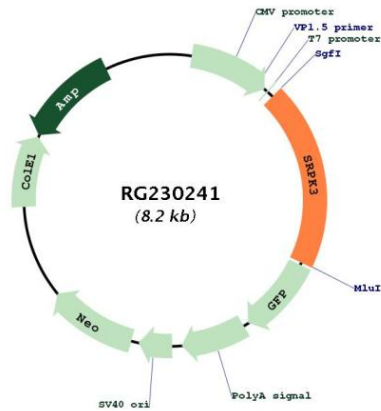
UniProt ID: [Q9UPE1](#)

Cytogenetics: Xq28

Protein Families: Druggable Genome, Protein Kinase

Gene Summary: 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. [provided by RefSeq, Dec 2009]

Product images:



Circular map for RG230241