

Product datasheet for **RG230283**

STK23 (SRPK3) (NM_001170760) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STK23 (SRPK3) (NM_001170760) 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:

>RG230283 representing NM_001170760
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCGCCAGCACGGGCGGTGGTGGGGACAGCGCGGCAGCGGGCAGTAGCAGCAGCTCACAGGCCT
 CCTGCGGGCCCGAGTCCCTCGGGCTCCGAACTAGCCCTGGCCACACCGGTGCCTCAGATGCTGCAGGGCCT
 TCTGGGCTCCGACGACGAGGAACAGGAAGACCCCAAAGACTACTGCAAGGGCGGCTACCACCCTGTGAAG
 ATCGGCGACGTGTTCAATGGGCGGTACCACGTGGTGCGCAAAGTGGGCTGGGGCCACTTCTCCACCGTCT
 GGCTCTGCTGGGACATCCAGCGCAAGCGCTTTGTGGCCCTCAAAGTGGTGAAGAGTGCAGGGCATTACAC
 GGAGACAGCTGTGGATGAGATCAAGCTCCTGAAATGTGTCGGGACAGCGACCCAGTGACCCCAAAAGA
 GAGACCATTGTCCAGCTCATTGATGACTCAGGATCTCAGGAGTCAATGGAGTCCATGTGTGCATGGTGC
 TGGAGGTGCTGGCCACCAGCTCCTCAAATGGATCATCAAGTCCAAGTACCAGGGCCTGCCCGTGCCTG
 CGTGAAGAGCATCGTGAGGCAGGTGCTGCACGGCCTGGACTACCTCCACACCAAGTGCAAGATCATCCAC
 ACGGACATCAAGCCCAGAACATCTTGCTGTGTGTGGGGACGCTTACATCAGGGCCTGGCTGCCGAGG
 CCACGGAGTGGCAACAGGCAGGGGCGCCGCCCCCTCCCGCTCCATAGTCAGCACTGCCCCCAAGGAGT
 CTTGACCGGTAAGCTGTCCAAAAACAAGAGGAAGAAGATGAGGCGCAAACGGAAACAGCAGAAGCGGCTG
 CTGGAGGAGCGGCTGCGGGACCTGCAGAGGCTGGAGGCCATGGAGGCTGCCACCCAGGCTGAGGACTCTG
 GCTTGAGACTAGACGGGGCAGCGGCTCCACATCCTCTTCAGGCTGTACCCCGGGGGCGCCAGAGCAGG
 TCCCTCCCAGCCTTCTCCTCCCCGCCAGGGGGCGGCGTAGCCTCAGCGCGGGCTCACAGACCTCA
 GGCTTCTCCGGCTCCCTCTCTCCTGCTCCTGCTCCATCCTCTCCGGCTCGTCCAATCAGCGAGAGA
 CCGGGGGCCTCCTGTGCCTAGCACACCATTCGTTGCCTCGAACCTCCTGGTGAACCCCTGGAGCCCCA
 AAATGCAGATAAGATCAAGATCAAGATCGCAGACCTGGGCAACGCTGCTGGGTGCACAAGCACTTCAAG
 GAAGACATCCAGACTCGGCAGTACCGGGCCGTCGAGGTGCTGATCGGCGCGAATACGGCCCCCGGCAG
 ACATCTGGAGCACAGCCTGCATGGCCTTCGAGCTGGCCACTGGTACTACCTGTTTCGAGCCGATTCTGG
 AGAAGACTACAGTCGTGATGAGGACCACATCGCTCACATAGTGGAGCTTCTGGGGACATCCCCCAGCC
 TTCGCCCTCTCAGGCCGCTATTCCCGGGAGTCTTCAACCGGAGAGGAGAGCTGCGGCACATCCACAATC
 TCAAGCACTGGGGCCTGTACGAGGTACTCATGAAAAGTACGAGTGGCCCTAGAGCAGGCCACACAGTT
 CAGCGCCTTCTGCTGCCATGATGGAGTACATCCCCGAAAAGCGGGCCAGTGCCGCTGACTGCCTCCAG
 CACCCCTGGCTCAACCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG230283 representing NM_001170760
 Red=Cloning site Green=Tags(s)

MSASTGGGDSGGSGSSSSSQASCGPESSELALATPVPQMLQGLLGSDDDEEQEDPKDYCKGGYHPVK
 IGDVFNTRYHVVRKLGWGHFSTVWLWLDIQRKRFVALKVVKSAHYTETAVIDEIKLLKCVRSDPSDPKR
 ETIVQLIDDFRISGVNGVHVMVLEVLGHQLLKWIIKSNYQGLPVPVKSIIVRQVLHGLDYLHTKCKIIH
 TDIKPENILLCVGDAYIRRLAAEAETWQQAGAPPPSRSI VSTAPQEVLTGKLSKNKRKMRKRKQKRL
 LEERLRLQRLEAMEAATQAEDSGLRLDGGSGTSSSGCHPGGARAGPSPASSPAPGGGRSL SAGSQT
 GFSGSLFSPASCILSGSSNQRETGLLSPSTPFGASNLLVNPLEPQNADKIKIKIADLGNACWVHKHFT
 EDIQTRQYRAVEVLIGAEYGPADIWSTACMAFELATGDYLFEPHSGEDYSRDEDHIAHIVELLGDIPPA
 FALSGRYSREFFNRRGELRHIHNLKHWGLYEVLMEKYEWPLEQATQFSAFLLPMMEYIPEKRASAADCLQ
 HPWLN

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001170760

ORF Size: 1698 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_001170760.2](#)

RefSeq Size: 1999 bp

RefSeq ORF: 1701 bp

Locus ID: 26576

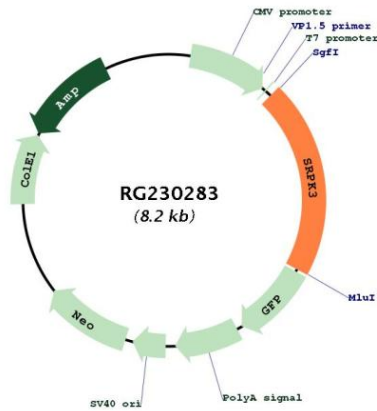
UniProt ID: [Q9UPE1](#)

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 RG230283