

Product datasheet for **RG215496**

STK23 (SRPK3) (NM_014370) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STK23 (SRPK3) (NM_014370) 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:

>RG215496 representing NM_014370
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGCGCCAGCACGGGCGGTGGTGGGGACAGCGCGGCAGCGGGCGCAGTAGCAGCAGCTCACAGGCCT
 CCTGCGGGCCCGAGTCTCGGGCTCCGAACTAGCCCTGGCCACACCGGTGCCTCAGATGCTGCAGGGCCT
 TCTGGGCTCCGACGACGAGGAACAGGAAGACCCCAAAGACTACTGCAAGGGCGGCTACCACCCTGTGAAG
 ATCGGCGACGTGTTCAATGGGCGGTACCACGTGGTGCACAACTGGGCTGGGGCCACTTCTCCACCGTCT
 GGCTCTGCTGGGACATCCAGCGCAAGCGCTTTGTGGCCCTCAAAGTGGTGAAGAGTGCAGGGCATTACAC
 GGAGACAGCTGTGGATGAGATCAAGCTCCTGAAATGTGTCCGGGACAGCGACCCAGTGACCCCAAAAGA
 GAGACCATTGTCCAGCTCATTGATGACTTCAGGATCTCAGGAGTCAATGGAGTCCATGTGTGCATGGTGC
 TGGAGGTGCTGGGCCACCAGCTCCTCAAATGGATCATCAAGTCCAACCTACCAGGGCCTGCCCGTGCCCTG
 CGTGAAGAGCATCGTGAGGCAGGTGCTGCACGGCCTGGACTACCTCCACACCAAGTGCAAGATCATCCAC
 ACGGACATCAAGCCCAGAACATCTTGCTGTGTGTGGGGACGCTTACATCAGGGCCTGGCTGCCGAGG
 CCACGGAGTGGCAACAGGCAGGGGCGCCGCCCCCTCCCGCTCCATAGTCAGCACTGCCCCCCAGGAGGT
 CTTGCAGACCGGTAAGCTGTCCAAAAACAAGAGGAAGAAGATGAGGCGCAACCGAAACAGCAGAAGCGG
 CTGCTGGAGGAGCGGCTGCGGGACCTGCAGAGGCTGGAGGCCATGGAGGCTGCCACCCAGGCTGAGGACT
 CTGGCTTGAGACTAGACGGGGCAGCGGCTCCACATCCTTTCAGGCTGTCAACCCGGGGGCGCCAGAGC
 AGGTCCCTCCCAGCCTTCTCCTCCCCGCCCGGGGGCGGCCGTAGCCTCAGCGGGGCTCACAGACC
 TCAGGCTTCTCCGGTCCCTCTTCTCCTCCTGCTCCATCCTCTCCGGCTCGTCCAATCAGCGAG
 AGACCGGGGCTCCTGTCCCTAGCACACCAATTCGGTGCCTCGAACCTCCTGGTGAACCCCTGGAGCC
 CCAAAATGCAGATAAGATCAAGATCAAGATCGCAGACCTGGGCAACGCCTGCTGGGTGCACAAGCACTTC
 ACGGAAGACATCCAGACTCGGCAGTACCGGGCCGTCGAGGTGCTGATCGGCGCCGAATACGGCCCCCGG
 CAGACATCTGGAGCACAGCCTGCATGGCCTTCGAGCTGGCCACTGGTACTACTGTTTCGAGCCGCATTC
 TGGAGAAGACTACAGTCTGATGAGGACCACATCGCTCACATAGTGGAGCTTCTGGGGGACATCCCCCA
 GCCTTCGCCCTCTCAGGCCGCTATTCGGGAGTTCTTCAACCGGAGAGGAGAGCTGCGGCACATCCACA
 ATCTCAAGCACTGGGCCTGTACGAGGTACTCATGAAAAGTACGAGTGGCCCTAGAGCAGGCCACACA
 GTTCAGCGCCTTCTGCTGCCATGATGGAGTACATCCCCGAAAAGCGGGCCAGTGCCGCTGACTGCCTC
 CAGCACCCCTGGCTCAACCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG215496 representing NM_014370
 Red=Cloning site Green=Tags(s)

MSASTGGGDSGGSGSSSSSQASCPESSGSELALATPVPQMLQGLLGSDDDEEQEDPKDYCKGGYHPVK
 IGDVFNTRYHVVRKLGWGHFSTVWLWLDIQRKRFVALKVVKSAHYTETAVIDEIKLLKCVRSDPSDPKR
 ETIVQLIDDFRISGVNNGVHVMVLEVLGHQLLKWIIKSNYQGLPVPVKSIIVRQVLHGLDYLHTKCKIIH
 TDIKPENILLCVGDAYIRRLAAEAETEWQQAGPPSRSI VSTAPQEVLTGKLSKNKRKMRKRKQQR
 LLEERLRLQRLAEAAATQAEDSGLRLDGGSGSTSSSGCHPGGARAGPSPASSPAPGGGRSLSAGSQT
 SGFSGSLFSPASCSILSGSSNQRETGLLSPSTPFGASNLLVNPLEPQNADKIKIKIADLGNACWVHKHF
 TEDIQTRQYRAVEVLIGAEYGPADIWSTACMAFELATGDYLFEPHSGEDYSRDEDHIAHIVELLGDIPP
 AFALSGRYSREFFNRRGELRHIHNLKHWGLYEVLMEKYEWPLEQATQFSAFLLPMMEYIPEKRASAADCL
 QHPWLN

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_014370

ORF Size: 1701 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_014370.2](#), [NP_055185.2](#)

RefSeq Size: 2040 bp

RefSeq ORF: 1704 bp

Locus ID: 26576

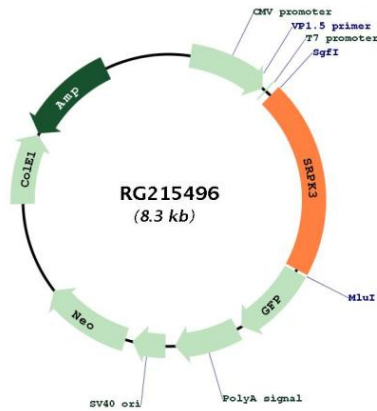
UniProt ID: [Q9UPE1](#)

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 RG215496