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Product datasheet for MR203265

Stk19 (NM_019442) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stk19 (NM_019442) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Stk19
Synonyms:	G11; RP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR203265 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAATCGCAAGAGACGGCTCCTGGCGTCTGAGGCTTTTGGGGTGAAGCGGAGGCGGGCGCCGGGGCCCG
TGAGAGCGGATCCTTTAAGAACAAGAGCAGGCTCGGCGCGCGAGGCCATCGAGGAGCTCGTGAAGCTGTT
TCCCCGGGGGCTGTTCGAGGATGCACTGCCGCCAATCGCGCTGAGGAGCCAAGTGTACAGTCTGGTGCCA
GACCGGACGGTGGCCGACCTACAACTGAAGGAGCTTCAAGAACTGGGAGAGATCCGAATTATCCAGCTAG
GCTTTGACTTGGATGCTCATGGGATTGTCTTCACGGAAGACTACAGGACCCGGGTCCTCAAGGCCTGTGA
TGGCCGACCATGTGCTGGGGCGGTGCAGAAGTTCCTGGCCTCAGTGCTCCCAGCCTGTGGGGACCTCAGT
TTCCAGCAGGATCAGATGACACAGACTTATGGCTTCAGGGACCCGGAGATCACGCAGCTGGTGAACGCTG
GGGTCCTCACTGTCCGAGATGCTGGAAGCTGGTGGCTGGCTGTGCCTGGAGCTGGGAGATTCATCAAGTG
CTTTGTTAAAGGGCGCCAGGCTGTACTGAGCATGGTGCGGAAGGCCAAGTACCGGGAGCTTGCCTTGTCA
GAGCTCCTGGGCCGCAGGGCCCCTTTGGCAGTGCGGCTAGGTCTTGCCTACCATGTGCACGACCTCATTG
GAGCCCAGCTGGTGGACTGTGTCCCCACCACTTCTGGAACCCTCCTTCGCCTGCCAGATACA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

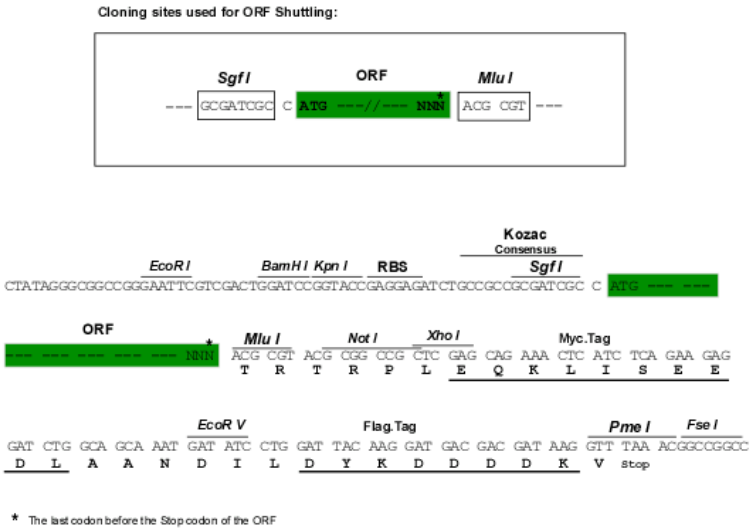
>MR203265 protein sequence
Red=Cloning site Green=Tags(s)

MNRKRRLLASEAFGVKRRRAPGPVRADPLRTRAGSAREAIEELVKLFPRGLFEDALPPIALRSQVYSLVP
DRTVADLQLKELQELGEIRIIQLGFDLDAHGIVFTEDYRTRVLKACDGRPCAGAVQKFLASVLPACGDLS
FQQDQMTQTYGFRDPEITQLVNAGVLTVRDAGSWWLAVPGAGRFIKCFVKGRQAVLSMVRKAKYRELALS
ELLGRRAPLAVRLGLAYHVHDLIGAQLVDCVPTTSGTLLRLPDT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_019442

ORF Size: 765 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_019442.2

RefSeq Size: 1078 bp

RefSeq ORF: 765 bp

Locus ID: 54402

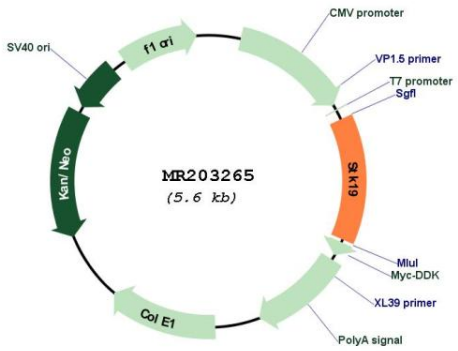
UniProt ID: Q9JHN8

Cytogenetics: 17 B1

MW: 28.1 kDa

Gene Summary: Serine/threonine-protein kinase that acts as a key regulator of NRAS signaling by mediating phosphorylation of NRAS at 'Ser-89', thereby enhancing NRAS-binding to its downstream effectors.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203265