

Product datasheet for **MG217507**

Snrk (NM_133741) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Snrk (NM_133741) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Snrk
Synonyms:	2010012F07Rik; AI448042; AW547029; E030034B15; mKIAA0096; R74830
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG217507 representing NM_133741
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCAGGGTTCAAGCGAGGATATGATGGGAAAATTGCTGGATTATATGATCTGGATAAAACCTTGGGTC
 GAGGTCATTTTGCAGTGGTCAAACCTTGCCAGGCATGTCTTACAGGTGAGAAGGTGGCAGTGAAAGTCAT
 TGACAAGACGAAGCTGGACACTCTAGCCACTGGTCATCTTCCAGGAAGTGAGGTGCATGAAACTAGTG
 CAGCACCCCAACATTGTGCGTCTCTATGAAGTCATAGACACCCAGACCAAACCTTTATCTCATTCTAGAAC
 TTGGAGATGGAGGAGATATGTTTGATTATAATGAAGCACGAGGAGGGTCTTAATGAAGACTTGGCCAA
 GAAGTACTTTGCTCAGATAGTTCATGCTATATCTTATTGCCATAAACTCCATGTGGTCCACAGAGACTTG
 AAACCAGAGAATGTAGTCTTTTTGAAAAACAAGGTCTTGTGAAGTTGACAGACTTTGGCTTCAGCAACA
 AATTTTCAGCCTGGAAAGAACTACCACGAGCTGCGGGTCTCTTGCACTCTGCTCCAGAAATCCTGCT
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 GGGCAGCCACCCTTCCAAGAAGCCAACGACAGCGAGACACTGACCATGATCATGGACTGCAAGTACACGG
 TGCCACCCCGCGTGTCTGCAGGGTGCAGGGACCTGATCACACGAATGCTACAGAGAGACCCAAAAGGAG
 AGCCTCTCTGGAAGAGATTGAAAGCCACCCTTGGCTCCAGGGAGTGGACCCATCACAGCCACCAAGTAT
 AACATTTCCCTCGTGTCTACAAGAACCTCTCCGAGGAAGAGCACAACAGCATCATCCAGCGCATGGTGC
 TCGGGGACATCGCGGACCAGACGCCATCGTAGAAGCCCTGGAACCAACAGGTACAACCACATTACCGC
 CACTTACTTTTTACTTGTGAAAGGATCCTGAGAGAAAAGCAAGAGAAAGAAATACAGACCAGGTCTGCT
 AGCCCCAGCAACATCAAGGCCAGTTTAGGCAGTCATGGCCAACCAAAATGATGTACCCCAAGACCTTG
 AAGATGATCTCACTGCCACCCTCTGTACATGCCACAGTCCCAGTCTCCTGCTAGGGCTGGTGACAA
 TGTCTCAATGGCCACAGGAGCAAAGGCCGTGTGTGACCCAGCCAAGAAAGATGAGCTCCCGGAGCTGGCT
 GGGCCGGCACTGTCCACTGTTCCACCTGAAGCATGAAGCCCGCAGCCAGTGGGCGCAAGTGTCTTTCA
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 GCGCCGGAAGCCATCGGTACCAATCGCCTGACGTCTCGCAAGAGTGCCCAAGTGTCAACCAGATCTTC
 GAGGAGGGCGAGTCAGACGACGAGTTTGACATGGACGAGAACCTGCCGCCAAGCTGAGCCGGCTGAAGA
 TGAACATTGCCTACCAGGCACAGTGCACAAGCGCTACCACCGCAGGAAAAGCCAGGGCCGGGGCTCTAG
 CTGCAGCAGCTCTGAGACCAGCGATGACGACTCCGAGAGCCGGCGGAGGCTGGACAAGGACAGCGGCTTT
 GCTTACTCGTGGCACCGCGTGACAGCAGTGAGGGGCCACCAGGCAGCGAGGGCGATGGTGGCGCCAGA
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 GGGAGGCTCTGGTGGGACCCCGTCCGGTACAGCAGGGTCTCAAGGCGCTGTGCAGGCCCTGACTCATCC
 TCACCCTCCCCCGCTCAGCCTCTGCCGCTCCACGTGGTGCAGAGCTTGTGCAGAGCCTCAAACCTCGTGA
 GCCTGTGCCTAGGCTCACAGCTGCATGGCGCAAGTACATTCTGGACCCGAGAAGGCCCTTGTCTCCAG
 CGTGAAGGTGCAGGAGAAGTCCACGTGGAAGATGTGCATCAGCGCCCCAGGCCCCAGCCCCCTCTGCTGAC
 CTTGACCCGGTGAGGACCAAGAAGCTGAGGAACAACGCGCTCCAGCTACCTCTGTGCGAAAAGACCATCT
 CCGTGAACATCCAGCGCAGCCGAAGGAAGGGTGTCTGCGCCTCCAGCCCCCAGCTGCTGCCATGT
 CATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG217507 representing NM_133741
 Red=Cloning site Green=Tags(s)

MAGFKRGYDGK IAGLYDLDKTLGRGHFAVVKLARHVFTGEKVAVKVIDKTKLDTLATGHLFQEVRCMKLV
 QHPNIVRLYEVIDTQTKLYLILELGDGDMFDYIMKHEEGLNEDLAKKYFAQIVHAISYCHKLHVVRDL
 KPENVVFFEKQGLVKLTDFGFSNKFQPGKLLTSCGSLAYSAP EILLGDEYDAPAVDIWSLGVILFMLVC
 GQPPFQEANDSETLTMIMDCKYTVPPRVSAGCRDLITRMLQRDPKRRASLEEIESHPWLQGVDPSPATKY
 NIPLVSYKNLSEEEHNSIIQRMVLGDIADRDAIVEALETNRYNHITATYFLLAERILREKQEKEIQTRSA
 SPSNIKAQFRQSWPTKIDVPQDLEDDL TATPLSHATVPQSPARAGDNVNLNGHRSGKLCDDPAKKDELPELA
 GPALSTVPPASMKPAASGRKCLFRVEEDEEEDEEDKPKVSLSTQVVLRRKPSVTNRLTSRKSAPVLNQIF
 EEGESDDEFDMDENLPPKLSRLKMNIASPGTVHKRYHRRKSQGRGSSCSSSETSDDDSESRRRLDKDSGF
 AYSWHRRDSSEGGGSEGGGGQSKPSSGGGVDKASPGEQGTGGGSQGGSGGTPSGTAGSSRRCAGPDSS
 SPSPASASAAPRGAELVQSLKLVSLCLGSQLHGAKYILDPOKALFSSVKVQEKSTWKMCISAPGSPSAD
 LDPVRTKRLRNALQLPLCEKTI SVNIQRSRKEGLLCASSPASCCHVI

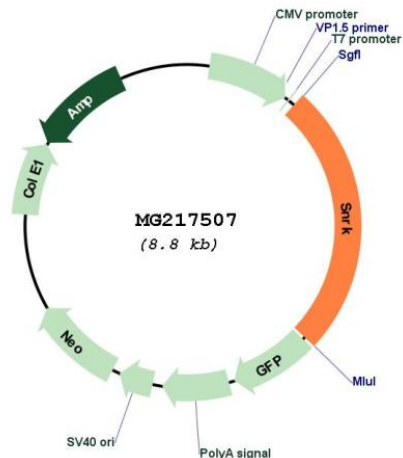
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:


ACCN: NM_133741

ORF Size: 2244 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_133741.2](#), [NP_598502.2](#)

RefSeq Size: 4860 bp

RefSeq ORF: 2247 bp

Locus ID: 20623

UniProt ID: [Q8VDU5](#)

Cytogenetics: 9 F4

Gene Summary: May play a role in hematopoietic cell proliferation or differentiation. Potential mediator of neuronal apoptosis (By similarity).[UniProtKB/Swiss-Prot Function]