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Product datasheet for MR217507

Snrk (NM_133741) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Snrk (NM_133741) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Snrk
Synonyms:	2010012F07Rik; AI448042; AW547029; E030034B15; mKIAA0096; R74830
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR217507 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCAGGGTTCAAGCGAGGATATGATGGGAAAATTGCTGGATTATATGATCTGGATAAAACCTTGGGTC
GAGGTCATTTTGCAGTGGTCAAACTTGCCAGGCATGTCTTCACAGGTGAGAAGGTGGCAGTGAAAGTCAT
TGACAAGACGAAGCTGGACACTCTAGCCACTGGTCATCTCTTCCAGGAAGTGAGGTGCATGAAACTAGTG
CAGCACCCCAACATTGTGCGTCTCTATGAAGTCATAGACACCCAGACCAAACTTTATCTCATTCTAGAAC
TTGGAGATGGAGGAGATATGTTTGATTATATAATGAAGCACGAGGAGGGTCTTAATGAAGACTTGGCCAA
GAAGTACTTTGCTCAGATAGTTCATGCTATATCTTATTGCCATAAACTCCATGTGGTCCACAGAGACTTG
AAACCAGAGAATGTAGTCTTTTTTGAAAAACAAGGTCTTGTGAAGTTGACAGACTTTGGCTTCAGCAACA
AATTTCAGCCTGGAAAGAAACTCACCACGAGCTGCGGGTCTCTTGCATACTCTGCTCCAGAAATCCTGCT
TGGCGATGAGTACGATGCCCCTGCAGTAGACATATGGAGCCTGGGCGTGATCCTTTTCATGCTGGTGTGT
GGGCAGCCACCCTTCCAAGAAGCCAACGACAGCGAGACACTGACCATGATCATGGACTGCAAGTACACGG
TGCCACCCCGCGTGTCTGCAGGGTGCAGGGACCTGATCACACGAATGCTACAGAGAGACCCCAAAAGGAG
AGCCTCTCTGGAAGAGATTGAAAGCCACCCTTGGCTCCAGGGAGTGGACCCATCACCAGCCACCAAGTAT
AACATTCCCCTCGTGTCCTACAAGAACCTCTCCGAGGAAGAGCACAACAGCATCATCCAGCGCATGGTGC
TCGGGGACATCGCGGACCGAGACGCCATCGTAGAAGCCCTGGAAACCAACAGGTACAACCACATTACCGC
CACTTACTTTTTACTTGCTGAAAGGATCCTGAGAGAAAAGCAAGAGAAAGAAATACAGACCAGGTCTGCT
AGCCCCAGCAACATCAAGGCCCAGTTTAGGCAGTCATGGCCAACCAAAATTGATGTACCCCAAGACCTTG
AAGATGATCTCACTGCCACCCCTCTGTCACATGCCACAGTCCCGCAGTCTCCTGCTAGGGCTGGTGACAA
TGTCCTCAATGGCCACAGGAGCAAAGGCCTGTGTGACCCAGCCAAGAAAGATGAGCTCCCGGAGCTGGCT
GGGCCGGCACTGTCCACTGTTCCACCTGCAAGCATGAAGCCCGCAGCCAGTGGGCGCAAGTGTCTCTTCA
GGGTGGAAGAAGATGAGGAGGAGGATGAGGAGGACAAGAAGCCTGTGTCCCTGTCCACGCAGGTGGTGCT
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GAGGAGGGCGAGTCAGACGACGAGTTTGACATGGACGAGAACCTGCCGCCCAAGCTGAGCCGGCTGAAGA
TGAACATTGCCTCACCAGGCACAGTGCACAAGCGCTACCACCGCAGGAAAAGCCAGGGCCGGGGCTCTAG
CTGCAGCAGCTCTGAGACCAGCGATGACGACTCCGAGAGCCGGCGGAGGCTGGACAAGGACAGCGGCTTT
GCTTACTCGTGGCACCGGCGTGACAGCAGTGAGGGGCCACCAGGCAGCGAGGGCGATGGTGGCGGCCAGA
GCAAGCCTAGCAGCGGTGGCGGTGTGGACAAGGCCAGCCCGGGTGAGCAGGGCACGGGTGGTGGCAGCCA
GGGAGGCTCTGGTGGGACCCCGTCGGGTACAGCAGGGTCCTCAAGGCGCTGTGCAGGCCCTGACTCATCC
TCACCCTCCCCCGCCTCAGCCTCTGCCGCTCCACGTGGTGCAGAGCTTGTGCAGAGCCTCAAACTCGTGA
GCCTGTGCCTAGGCTCACAGCTGCATGGCGCCAAGTACATTCTGGACCCGCAGAAGGCCTTGTTCTCCAG
CGTGAAGGTGCAGGAGAAGTCCACGTGGAAGATGTGCATCAGCGCCCCAGGCCCCAGCCCCTCTGCTGAC
CTTGACCCGGTGAGGACCAAGAAGCTGAGGAACAACGCGCTCCAGCTACCTCTGTGCGAAAAGACCATCT
CCGTGAACATCCAGCGCAGCCGCAAGGAAGGGCTGCTCTGCGCCTCCAGCCCCGCCAGCTGCTGCCATGT
CATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

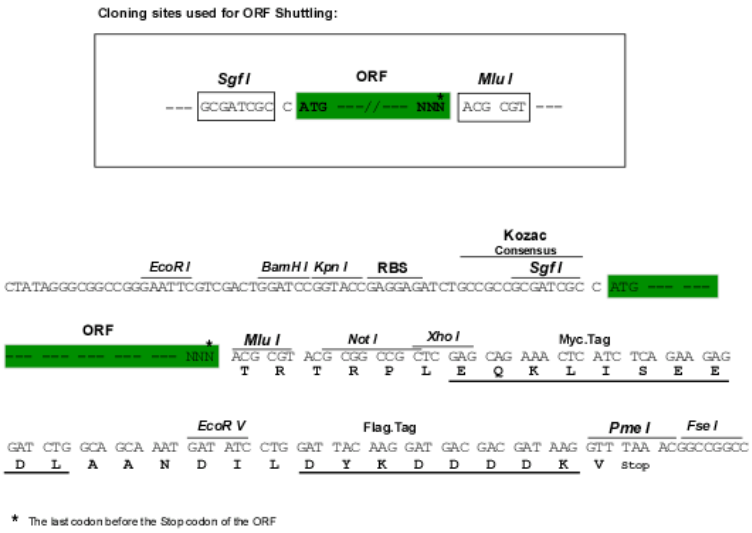
>MR217507 protein sequence
Red=Cloning site Green=Tags(s)

MAGFKRGYDGKIAGLYDLDKTLGRGHFAVVKLARHVFTGEKVAVKVIDKTKLDTLATGHLFQEVRCMKLV
QHPNIVRLYEVIDTQTKLYLILELGDGGDMFDYIMKHEEGLNEDLAKKYFAQIVHAISYCHKLHVVHRDL
KPENVVFFEKQGLVKLTDFGFSNKFQPGKKLTTSCGSLAYSAPEILLGDEYDAPAVDIWSLGVILFMLVC
GQPPFQEANDSETLTMIMDCKYTVPPRVSAGCRDLITRMLQRDPKRRASLEEIESHPWLQGVDPSPATKY
NIPLVSYKNLSEEEHNSIIQRMVLGDIADRDAIVEALETNRYNHITATYFLLAERILREKQEKEIQTRSA
SPSNIKAQFRQSWPTKIDVPQDLEDDLTATPLSHATVPQSPARAGDNVLNGHRSKGLCDPAKKDELPELA
GPALSTVPPASMKPAASGRKCLFRVEEDEEEDEEDKKPVSLSTQVVLRRKPSVTNRLTSRKSAPVLNQIF
EEGESDDEFDMDENLPPKLSRLKMNIASPGTVHKRYHRRKSQGRGSSCSSSETSDDDSESRRRLDKDSGF
AYSWHRRDSSEGPPGSEGDGGGQSKPSSGGGVDKASPGEQGTGGGSQGGSGGTPSGTAGSSRRCAGPDSS
SPSPASASAAPRGAELVQSLKLVSLCLGSQLHGAKYILDPQKALFSSVKVQEKSTWKMCISAPGPSPSAD
LDPVRTKKLRNNALQLPLCEKTISVNIQRSRKEGLLCASSPASCCHVI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_133741

ORF Size: 2247 bp

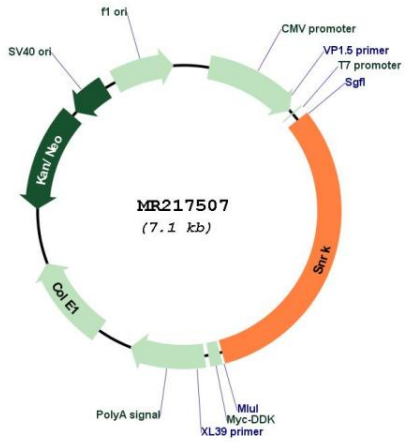
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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
MW:	81.9 kDa
Gene Summary:	May play a role in hematopoietic cell proliferation or differentiation. Potential mediator of neuronal apoptosis (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR217507