

Product datasheet for **RR201672**

Ksr1 (NM_001108284) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ksr1 (NM_001108284) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ksr1
Synonyms:	Ksr
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR201672 representing NM_001108284
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGATGTTTCGGCGTGAAGTGCAAGCATTGCAGGTTAAAATGTCATAATAAGTGTACAAGGAAGCTCCCG
 CCTGCAGAATATCCTTCCTCCCACTAGCCAGGCTTCGGAGGACAGAGTCTGTCCCCTCAGATATCAACAA
 CCCAGTGGACCGAGCAGCAGAGCCCATTTTGGAAACCCTCCCAAGGCCCTAACCAAGAAGGAGCACCCCT
 CCAGCCATGAACCTGGACTCCAGCAGCAACCCATCCTCCACCACGTCCTCCACACCGTCATCGCGGGCGC
 CTTTCTGACCTCATCTAACCCCTCCAGTCCACCACGCCCCCAACCCATCACCTGGCCAGCGGGACAG
 CAGGTTCAACTTCCAGACATTTAGCCTGTCTCAGGCAGCCCCGCTGTCCAGCACAGCCGACAGTACA
 CGGCTTGATGACCAGCCAAAACAGATGTGCTGGGTGTTCCGAAGCAGAGGCCGAGGAGCTGAGGCTG
 GCAAGTCAGAGGCAGAAGATGATGAGGACGAGATTGATGACCTCCCAGCTCCCCTGGCCACTGGCGGGG
 CCCCATCTCTCGAAAGCCAGCCAGACCAGCGTCTACCTGCAAGAGTGGGATATCCCTTTGAACAAGTG
 GAACTGGGCGAGCCATTGGGCAGGGCCGTTGGGGCCGTGTGCACGAGGCCGTTGGCATGGCGAGGTGG
 CCATTCGGCTTCTGAAAATGGATGGCCACAACCAGGACCCTGAAGCTGTTCAAGAAAGAGGTGATGAA
 CTACCGGCAGACCCGGCATGAGAACGTGGTGTCTTTCATGGGGCCCTGCATGAACCCACCTCACCTGGCC
 ATTATTACCAGCTTCTGCAAGGGCGGACACTGCATTCATTTGTGAGGGACCCCAAGACGCTCTGGATA
 TCAACAAGACCAGGCAGATCGCCAGGAGATCATCAAGGGCATGGGGTATCTTTCATGCAAAAGGCATCGT
 GCACAAGACCTCAAGTCCAAGAATGTCTTCTATGACAATGGCAAAGTGGTCATCACAGACTTCGGGCTG
 TTTGGGATTTTCGGCGTGGTCCGAGAGGAACGGCGAGAGAACCAACTGAACTGTACACGACTGGCTGT
 GCTACCTGGCCCCGAGATTGTACGGGAAATGATACCCGGGAGGGACGAGGACCAGCTGCCCTTCTCCAA
 AGCCGCCGATGTCTATGGTGTGGGACGTTGGTATGAACTGCAGGCAAGAGACTGGCCCTTTAAGCAC
 CAACCTGCCGAGGCCCTTGTCTGGCAGATTGGAAGTGGGAAGGAGTAAAGCGTGTCTTGGCATCCGTCA
 GTCTGGGAAGGAAGTCCGAGAGATCCTGTCTGCCTGCTGGGCTTTTACCTGCAGGAAAGACCCAGCTT
 CAGCCTGCTGATGGACATGCTGGAGAAGCTACCCAAGCTGAACCGCGGCTCTCCACCCTGGGCACTTT
 TGGAAAGTCGGCTGATGCTAACAGCAGCAAAGTCATGCCCGCTTTGAAAGGTTTGGCCTGGGGACCTGG
 AGTCCAGTAATCCAAGATG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR201672 representing NM_001108284
 Red=Cloning site Green=Tags(s)

MMFGVKCKHCRLKCHNKCTKEAPACRISFLPLARLRRTESVPSDINNPVDRAAEPHFGLPKALTKKEHP
 PAMNLDSSSNPSSSTSSPSSPAPFLTSSNPSSATTPNPSPGQRDSRFNFPDISACPQAAPLSSTADST
 RLDDQPKTDVLDVPEAEAEPEAGKSEAEDDEDEIDDLPSRRHWRGPISRKASQTSVYLQEWIPFEQV
 ELGEPISGQGRWGRVHRGRWHGEVAIRLLEMDGHNQDHLKLFKKEVMNYRQTRHENVVLFMGACMNPPHLA
 IITSFCKGRTLHSFVRDPKTSLDINKTRQIAQEIIKGMGYLHAKGIVHKDLKSKNVFYDNGKVVITDFGL
 FGISGVVREERRENQLKLSHDWLCYLAPEIVREMIPGRDEDQLPFSKAADVYAFGTVWYELQARDWPFKH
 QPAEALIWQIGSGEGVKRVLASVSLGKEVGEILSACWAFDLQERPSFLLMDMLEKLPKLNRRLSHPGHF
 WKSADANSSKVMRPRFERFGLGTLESSNPKM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001108284

ORF Size: 1560 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_001108284.1](#), [NP_001101754.1](#)

RefSeq Size: 4166 bp

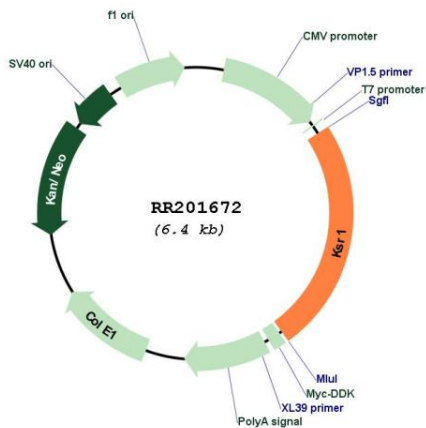
RefSeq ORF: 1563 bp

Locus ID: 360573

Cytogenetics: 10q25

MW: 58.4 kDa

Product images:



Circular map for RR201672