

Product datasheet for **MC222313**

Ksr1 (NM_013571) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ksr1 (NM_013571) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ksr1
Synonyms:	AW492498; B-KSR1; D11Bhm183e; D11Bhm184e; hb; Ksr; mKSR1; RSU2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222313 representing NM_013571
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGATAGAGCGCGTTGCGCGCGCAGCGATGGCGGAGAAAAAGGAGGGCGCGCGGGGGCGCCGCGG
 CGGACGGGGCGCAGGGCCGCCGTGAGCCGGGCGCTGCAGCAGTGCGGCCAGCTGCAGAAGCTCATCGA
 TATCTCCATCGGCAGTCTGCGCGGGCTGCGCACCAAGTGCTCAGTGTCTAACGACCTCACACAGCAGGAG
 ATCCGGACCCTAGAGGCAAAGCTGGTGAATACATTTGCAAGCAGCAGCAGAGCAAGCTTAGTGTGACCC
 CAAGCGACAGGACCGCCGAGCTCAACAGCTACCCACGCTTCAGTACTGGCTGTACATCTTCAACGTGAG
 GCCTGAGGTGGTGCAGGAGATCCCCAAGAGCTCACACTGGATGCTCTGCTGGAGATGGACGAGGCCAAA
 GCCAAGGAGATGCTGCGGCGCTGGGGGGCCAGCACGGAGGAGTGCAGCCGCTACAGCAAGCCCTTACCT
 GCCTTCGGAAGGTGACTGGCCTGGGAGGGGAGCAGCAAAAATGGACTCAGGTTGGAGTTCAACAGATGCTCG
 AGACAGTAGCTTGGGGCCTCCCATGGACATGCTTTCCTCGCTGGGCAGAGCGGGTCCAGCACTCAGGGA
 CCCCGTTCATCTCCGTGTCGGCCCTGCCTGCCTCAGACTCTCCGGTCCCGGCCCTCAGTGGGGCCTCT
 CGGACTCCTGTATCCCCTTGACACCAGCGGCCGGCTGACCCCCGGGCCCTGCACAGCTTCATCACGCC
 CCCTACCACACCCAGCTACGACGGCACGCCAAGCTGAAGCCACCAAGGACACCCCAACCGCAAGCCGC
 AAGGTCTTCCAGCTGCTCCCGAGCTTCCCACACTCACACGGAGCAAGTCCCACGAGTCCAGCTGGGAA
 ACCGAATCGACGACGTCACCCCGATGAAGTTTGAAGTCCCTCATGGATCCCCACAGCTGGTACGAAGGGA
 TATCGGGCTCTCGGTGACGCACAGGTTCTCCACAAAGTATGGTGTGACAGGTGCAACGTGTGCCAG
 AAGAGCATGATTTTTGGCGTGAAGTCAAACACTGCAGGTTAAATGCCATAACAAGTGCACAAAGGAAG
 CTCCCGCTCAGGATCACCTTCTCCACTGGCAGGCTTCGGAGGACAGAGTGTCCCGTCAGATAT
 CAACAACCCAGTGGACAGAGCAGCAGAGCCCATTTTGAACCCCTCCCAAGGCCCTGACAAAGAAGGAG
 CACCCTCCAGCCATGAACCTGGACTCCAGCAGCAACCCATCCTCCACCAGTCTCCACACCCTCATCGC
 CGGCACCTTCTGACCTCATCTAATCCCTCCAGTGCACACAGCCTCCCAACCCGTACCTGGCCAGCG
 GGACAGCAGGTTGAGTTCAGACTTCCAGACATTCAGCCTGTTCTCAGGCAGCCCGCTGTCCAGCACAGCCGAC
 AGTACACGGCTCGACGACCAGCCAAAACAGATGTGCTAGGTGTTACGAAGCAGAGGCTGAGGAGCCTG
 AGGCTGGCAAGTCAGAGGACAGGATGACGAGGAGGATGAGGTGGACGACCTCCCAGCTCCCGCCGGCC
 CTGGAGGGGCCCATCTCTGAAAGGCCAGCCAGACCAGGTTTACCTGCAAGAGTGGGACATCCCCTTT
 GAACAGGTGGAAGTGGGCGAGCCATTGGACAGGTCGCTGGGGCCGGTGCACCAGGCCGTTGGCATG
 GCGAGGTGGCCATTCGGCTGCTGGAGATGGACGGCCACAATCAGGACCACCTGAAGCTGTCAAGAAAGA
 GGTGATGAACTACCGGCAGACGGCGCATGAGAAGTGGTGTCTTTCATGGGGCCTGCATGAACCCACCT
 CACCTGGCCATTATCACCAGCTTCTGCAAGGGCGGACATTGCATTATTTCGTGAGGGACCCCAAGACGT
 CTCTGGACATCAATAAGACTAGGCAGATCGCCCAGGAGATCATCAAGGGCATGGGTTATCTTCATGCAAA
 AGGCATCGTGACAAGGACCTCAAGTCCAAGAATGTCTTATGACAACGGCAAAGTGGTCATCACAGAC
 TTCGGGCTGTTTGGGATCTCGGGTGTGGTCCGAGAGGAACGGCGCGAGAACCAACTGAAACTGTCACATG
 ACTGGCTGTGCTACCTGGCCCCGAGATCGTACGAGAAATGATCCCGGGCGGGACGAGGACCAGCTGCC
 CTTCTCCAAAGCAGCCGATGTCTATGCATTCCGGACTGTGTGATGAACTACAGGCAAGAGACTGGCCC
 TTTAAGCACACAGCTGCTGAGGCCTTGATCTGGCAGATTGGAAGTGGGGAAGGAGTACGGCGCGTCTCTGG
 CATCCGTGAGCCTGGGGAAGGAAGTCCGGCAGATCCTGTCTGCCTGCTGGGCTTTCGATCTGCAGGAGAG
 ACCCAGCTTACGCTGCTGATGGACATGCTGGAGAGGCTGCCAAGCTGAACCGGCGGCTCTCCACCCT
 GGGCACTTTTGAAGTCCGGCTGACATTAACAGCAGCAAAGTCATGCCCGCTTTGAAAGTTTGGCCTGG
 GGACCCTGGAGTCCGGTAATCCAAGATG**TAG**

ACGGCTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_013571
Insert Size: 2622 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none">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_013571.2 , NP_038599.1
RefSeq Size:	4087 bp
RefSeq ORF:	2622 bp
Locus ID:	16706
UniProt ID:	Q61097
Cytogenetics:	11 46.74 cM
Gene Summary:	Scaffolding protein that is part of a multiprotein signaling complex. Promotes phosphorylation of Raf family members and activation of downstream MAP kinases (PubMed:10409742, PubMed:12932319, PubMed:21102438). Promotes activation of MAPK1 and/or MAPK3, both in response to EGF and to cAMP (PubMed:21102438). Does not have kinase activity by itself (Probable).[UniProtKB/Swiss-Prot Function]