

Product datasheet for **SC316830**

KSR1 (NM_014238) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KSR1 (NM_014238) Human Untagged Clone
Tag:	Tag Free
Symbol:	KSR1
Synonyms:	KSR; RSU2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC316830 sequence for NM_014238 edited (data generated by NextGen Sequencing)

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ATGAATGAGGCCAAGGTGAAGGAGACGCTGCGGCCTGTGGGCCAGCGGGATGAGTGTGGCCGTCTGC
AGTATGCCCTCACCTGCCTGCGGAAGGTGACAGGCCTGGGAGGGGAGCACAAAGGAGGACTCCAGTTGGAG
TTCATTGGATGCGCGGGGAAAGTGGCTCAGGGCTTCCACGGACACCCTCTCAGCAGCCAGCCTGCC
TGGCCCCAGGGAGCTCCAGCTGGGCAGAGCAGGCAACAGCGCCAGGGCCACGCTCCATCTCGTGT
CAGCTCTTCCCGCTCAGACTCCCCACCCCCAGCTTCAGTGAGGGCCTCTCAGACACCTGTATTCCCT
GCACGCCAGCGCGCGGTGACCCCCGTGCCCTGCACAGCTTCATCACCCCGCCACCACCCCCAGCTG
CGACGGCACACCAAGCTGAAGCCACCACGGACGCCCCCCCCACCCAGCCGCAAGGTCTTCCAGCTGCTG
CCAGCTTCCCCACACTCACCCGGAGCAAGTCCCATGAGTCTCAGCTGGGAACCGCATTGATGACGTCTC
CTCGATGAGGTTTATCTCTCGCATGGATCCCCACAGATGGTACGGAGGGATATCGGGCTGTCGGTGAC
CACAGGTTCTCCACCAAGTCTGGCTGTGCAGGTCTGCCACGTGTCCAGAAGAGCATGATATTTGGAG
TGAAGTGAAGCATTGCAGGTTGAAGTGTACAACAAATGTACCAAAGAAGCCCCGCTGTAGAATATC
TTCTCTGCCACTAACTCGGCTTCGGAGGACAGAATCTGTCCCCTCGGACATCAACAAACCCGGTGGACAGA
GCAGCCGAACCCCATTTTGAACCTCCCCAAAGCACTGACAAAGAAGGAGCACCCCTCCGGCCATGAATC
ACCTGGACTCCAGCAGCAACCTTCTCCACCCTCCTCCACACCTCCTCACCGCGCCCTTCCCGAC
ATCATCAACCCATCCAGCGCCACCACGCCCCCAACCCCTCACCTGGCCAGCGGGACAGCAGGTTCAAC
TTCCAGCTGCCTACTTCATTATCATAGACAGCAGTTTATCTTTCCAGTGCCATCTGCTGGCCATTGCT
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CCCCTCCCTGAAGCTGCCGACGGTACCCGGCTCGATGACCAGCCGAAAGCAGATGTTGGAAGCTCAC
GAAGCGGAGGCTGAGGAGCCAGAGGCTGGCAAGTCAGAGGCAGAAGACGATGAGGACGAGGTGGACGAT
TGCCGAGCTCTCGCCGGCCCTGGCGGGGCCCATCTCTCGCAAGGCCAGCCAGACCAGCGTGTACCTGCA
GGAGTGGGACATCCCCTTCGAGCAGGTAGAGCTGGGCGAGCCATCGGGCAGGGCCGCTGGGGCCGGGTG
CACCGCGCCGCTGGCATGGCGAGGTGGCCATTGCGCTGCTGGAGATGGACGGCCACAACCAGGACCACC
TGAAGCTCTTCAAGAAAGAGGTGATGAACTACCGCAGACGCGGCATGAGAACGTGGTCTTTCATGGG
GGCCTGCATGAACCCGCCACCTGGCCATTATCACCAGCTTCTGCAAGGGGCGGACGTTGCACTCGTTT
GTGAGGGACCCCAAGACGTCTCTGGACATCAACAAGACGAGGCAATCGCTCAGGAGATCATCAAGGGCA
TGGGATATCTTCATGCCAAGGCATCGTACACAAAGATCTCAAATCTAAGAACGTCTTCTATGACAACGG
CAAGGTGGTCATCACAGACTTCGGGCTGTTTGGGATCTCAGGCGTGGTCCGAGAGGGACGGCGTGAGAAC
CAGCTAAAGCTGTCCACGACTGGCTGTGCTATCTGGCCCTGAGATTGTACGCGAGATGACCCCGGGA
AGGACGAGGATCAGCTGCCATTCTCAAAGCTGCTGATGTCTATGCATTTGGGACTGTTTGGTATGAGCT
GCAAGCAAGAGACTGGCCCTTGAAGAACCAGGCTGCAGAGGCATCCATCTGGCAGATTGGAAGCGGGGAA
GGAATGAAGCGTGTCTGACTTCTGTCAGCTTGGGGAAGGAAGTCAAGTCAAGTCAAGTCAAGTCAAGT
CTTTGACCTGCAGGAGAGACCCAGCTTCCAGCTGCTGATGGACATGCTGGAGAACTTCCCAAGCTGAA
CCGGCGGCTCTCCACCTGGACACTTCTGGAAGTCAGCTGAGTTGTAG
    
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Clone variation with respect to NM_014238.1
288:t=>g

Restriction Sites:

Please inquire

ACCN:

NM_014238

Insert Size:

2300 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).

OTI Annotation:	The ORF of this clone has been fully sequenced and found the protein associated with this clone is identical to NM_014238.1.
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:	<u>NM_014238.1</u> , <u>NP_055053.1</u>
RefSeq Size:	4552 bp
RefSeq ORF:	2289 bp
Locus ID:	8844
UniProt ID:	<u>Q8IVT5</u>
Cytogenetics:	17q11.2
Protein Families:	Druggable Genome, Protein Kinase
Gene Summary:	Scaffolding protein that is part of a multiprotein signaling complex. Promotes phosphorylation of Raf family members and activation of downstream MAP kinases. Promotes activation of MAPK1 and/or MAPK3, both in response to EGF and to cAMP. Does not have kinase activity by itself.[UniProtKB/Swiss-Prot Function]