

Product datasheet for **RR200332**

Cnksr2 (NM_001113366) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cnksr2 (NM_001113366) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cnksr2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR200332 representing NM_001113366
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGGCTCTGATAATGGAACCACTGAGCAAAATGGTCTCCGAGTCAAGTAGTGGACTGGATGAAAGGTCTCG
 ATGACTGCTTACAGCAGTATATTAAGAACTTTGAGAGGGAGAAGATCAGTGGAGACCAGCTGCTACGCAT
 TACACATCAGGAGCTAGAAGATCTGGGAGTCAGCCGATTGGCCATCAGGAGCTGATCTTGAGGGCAGTC
 GACCTTCTGTGTGCACTGAATTATGGCTTAGAAAACAGAAAATCTAAAAACCCCTTCTCACAAAGTTGAATG
 CGTCTGCCAAAAATCTACAGAACTTCATAACAGGAAGGAGGAGGAGCGGCCATTATGATGGGAGGACCAG
 CCGAAAATTACCAAAATGACTTTTTGACCTCAGTTGTGGATCTGATTGGAGCAGCCAAGAGTCTTCTTGCT
 TGGTTGGACAGGTCACCATTTGCTGTGTGACAGACTATTCAGTCACAAGAAATAATGTCATACAACCTCT
 GCTTGGAGTTAACAACAATTGTGCAACAGGATTGCACTGTCTATGAAACTGAAAAATAAATTTCTTCATGT
 GTGAAAACTCTTCTGGGGTCTGTGACCACATCATATCCCTGTCGTGAGATCCTCTGGTTTCACAGTCT
 GCTCACCTTGAAGTGATTGAGTGGCAAAATCAAACCAAGTGAAGGGCTGGGTATGTATATTAATCCA
 CATATGATGGCCTCCATGTAATTACGGGAACCACAGAAAATTCACCTGCAGATCGGTGCAAGAAAATCCA
 CGCTGGGGATGAAGTGATTCAAGTCAATCATCAGACTGTGGTGGGGTGGCAGTTGAAAAATTTGGTGAAT
 GCACTACGAGAGGACCCGAGTGGTGTATCTTAACTTTGAAAAAGCGACCTCAGAGCATGCTTACCTCAG
 CACCAGCTTACTGAAAAATATGAGATGGAAGCCCTTGCTCTGCAGCCTCTTATACCTAGAAGTCCCAC
 AAGCAGCGTTGCCACGCCTTCCAGCACCATCAGTACACCCACCAAAAGAGACAGTTCTGCTCTCCAGGAT
 CTCTACATCCCCCTCCTCTGCAGAACCATACATTCCAGGGACGAAAAAGGAAACCTTCTTGTGAAG
 ATCTCAGAGGACATATGGTGGGCAAGCCAGTTCATAAGGGATCTGAATCCCCAATTCATTTCTGGACCA
 GGAATATCGAAAGAGGTTAACATTGTTGAAGAAGACTGTCTTATATTGCTATGAATGAAAAAGGA
 CGATCAAGTAGTCAAGGAAGACGAGAAAGCACACCAACCTATGGCAAGCTACGACCTATATCTATGCCAG
 TCGAATAATAATTGGGTGGGGACTATGAAGATCCAAATAAGATGAAGAGAGATAGTAGAAGAGAAAACTC
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 GACACAGGGAAGAAGTCAAAAAAGAAAGGTGATAAGAGTACTAGCCCACTCACTACTCCTTGCTGCCTA
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 ATTTACAGCAGTCTCTCTGCAGCACAATCAAAGAAGAAAAACAAAGGAGCTATAGCAGGCAAGAGCAA



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AGAAGAATTTCTTGAAGGATCTTGCCCGTGGTACTGTGAAGGATGGCTTTGGAAAAAGAAAGATGCAA
 AGAGCTATTTTTACAGAAATGGAAGAAGTACTGGTTTGTCTAAAGGATGCATCCTTGTACTGGTATAT
 TAATGAAGAGGATGAAAAAGCAGAGGGATTTCATCAGTCTGCCTGAATTTAAAATCGATAGAGCCAGTGAA
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 GACAGCCCTCCACCCCATATGACACATACCCACGGCTCCCTCTATGAGTTGTGCCAGTCTTATGTGG
 AAGCAAAAACACAGCCGGCTTTCCTCCACAGAGACCTCTCAGTCTCAGTCTTACATGAGGAATTTGACA
 GGAAGTTACTGGGAGCAGTGCTGTGTCCCCATTGCAAGACAGCCAGTCAAGCCGCTCTGTCGAGGAT
 TTAATCGAGACGCCACTGACAAGTTCAGGCTTACACTATCTTCAGACTCTGCCTCTGGAAGATTCTGTCT
 TCTCTGACTCGGCAGCCATCTCCCTGAGCACAGGCGGCAGTCCACTCTTCCAACAGAAAGTCCACCT
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 AAGCCTCGAAGTTTTACTCTGCCTCGAGATAGCGGTTCAACCATTGCTGTCTGAACGCACCAGTGTAGT
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 AGCAGGAGAAAACATAGCGGAGAAAAATGAAAATAGGGAAGAAAAGTTAGGAGACTCCTTGAAGATTTA
 TACAGGGCACTGGAGGAAGCCAGTCTGTCAACACTAGGAGAACATCGCATTTCACCAAGATCGAATACA
 AACTATCGTTCAAAAACGATGCAATGATCCTGTGATGAATGAGAAGCTGCACAGGCTGAGAATCTTAA
 AAGCACTTTAAAGGCCAGAGAAGGGGAAGTAGCCATTATTGATAAAGTCCTAGACAATCCAGACTTGACA
 TCTAAAGAATCCAACAATGGAAGCAGATGTACCTCGACCTTTTCTTGGATATCTGTCAAAAACACCCT
 CAAATGACCCACTAAGTATTTCTTCTGAAGTAGATGTTATCACTTCTCTCTAACACATACTCATTGCGTA
 CATTGAGACACACGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR200332 representing NM_001113366
 Red=Cloning site Green=Tags(s)

MALIMEPVSKWSPSQVVDWMKGLDDCLQQYIKNFEREKISGDQLLRITHQELEDLGVSRIGHQELILEAV
 DLLCALNYGLETENLKTLSHKLNASAKNLQNFITGRRRSGHYDGRTRKLPNDFLTTSVVDLIGAASLLA
 WLDRSPFAAVTDYSVTRNNVIQLCLELTTIVQQDCTVYETENKILHVCKTSLSGVCDHIISLSSDPLVSQS
 AHLEVIQLANIKPSEGLGMYIKSTYDGLHVITGTTENSPADRCKKIHAGDEVIQVNHQTVVVGWQLKLVN
 ALREDPSGVILTLKRPQSM L TSAPALLKNMRWKPLALQPLIPRSPTSSVATPSSTI STPTKRDSSALQD
 LYIPPPPAEPIPRDEKGNLPCEDLRGHMVGKPVHKGSESPNSFLDQEYRKRFNIVEEDTVLYCYEYK
 RSSSQGRRESTPTYGKLRPISMPVEYNWVGDYEDPNMKRDSRRENSLLRYMSNEKIAQEEYMFQRNSK
 DTGKSKKKKGDKSTSPHYSLLPSLQMDALRQDIMGTPVPETTL YHTFQQSSLQHKSKKKNGKAIAGKSK
 RRI SCKDLGRGDCEGLWKKKDAKSYFSQKWKYWFVVKDASLWYINEEDEKAEGFISLPEFKIDRASE
 CRKKYAFKACHPKIKSFYFAAEHLDDMNRLNRINMLTAGYAERERIKQEQDYWSESDKEEADTPSPKQ
 DSPPPPYDTPRPPSMSCASPYEAKHSRLSSTETSQSQS SHEEFRQEVTVGSSAVSPIRKTASQRRSWQD
 LIETPLTSSGLHYLQTLPLEDSVFSASAISPEHRRQSTLPTQKCHLQDHYGPYPLAESERMQVLNNGG
 KPRSFTLPRDSGFNHCCLNAPVSACDPQDDIQPEVEEEEEEEEEEAAGENIGEKENREEKLGDSLQDL
 YRAL EEASL SPLGEHRISTKIEYKLSFIKRCNDPVMNEKLHRLRILKSTLKAREGEVAIIDKVLNDNPLT
 SKFEQQWKQMYLDFLDICQNTTNDPLSISSEVDVITSSLTHTHSYIETHV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

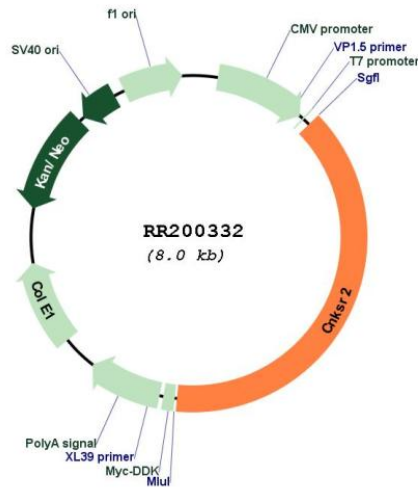
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001113366

ORF Size: 3096 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:	<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_001113366.1 , NP_001106837.1
RefSeq Size:	3272 bp
RefSeq ORF:	3099 bp
Locus ID:	59322
UniProt ID:	Q9Z1T4
Cytogenetics:	Xq21
MW:	117.4 kDa
Gene Summary:	membrane-associated guanylate kinase-interacting protein; may bind the postsynaptic density (PSD)-95 complex and synaptic scaffolding molecules [RGD, Feb 2006]