

Product datasheet for **RN200333**

Cnksr2 (NM_021686) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cnksr2 (NM_021686) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cnksr2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN200333 representing NM_021686
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTCTGATAATGGAACCACTGAGCAAAATGGTCTCCGAGTCAAGTAGTGGACTGGATGAAAGGTCTCG
 ATGACTGCTTACAGCAGTATATTAAGAACTTTGAGAGGGAGAAGATCAGTGGAGACCAGCTGCTACGCAT
 TACACATCAGGAGCTAGAAGATCTGGGAGTCAGCCGATTGGCCATCAGGAGCTGATCTTGGAGGCAGTC
 GACCTTCTGTGTGCACTGAATTATGGCTTAGAAACAGAAAATCTAAAAACCCCTTCTCACAAAGTTGAATG
 CGTCTGCCAAAAATCTACAGAACTTCATAACAGGAAGGAGGAGGAGCGGCCATTATGATGGGAGGACCAG
 CCGAAAATTACCAAAATGACTTTTTGACCTCAGTTGTGGATCTGATTGGAGCAGCCAAGAGTCTTCTTGCT
 TGGTTGGACAGGTCACCATTTGCTGCTGTGACAGACTATTCAGTCACAAGAAATAATGCATACAACCTCT
 GCTTGGAGTTAAACAATTGTGCAACAGGATTGCACTGTCTATGAAACTGAAAAATAAATCTTTCATGT
 GTGAAAACTCTTCTGGGGTCTGTGACCACATCATATCCCTGTGTCAGATCCTCTGGTTTCACAGTCT
 GCTCACCTTGAAGTGATTAGCTGGCAAATATCAAACCAAGTGAAGGGCTGGGTATGTATATTAATCCCA
 CATATGATGGCCTCCATGTAATTACGGGAACCACAGAAAATTCACCTGCAGATCCGGTGAAGAAAATCCCA
 CGCTGGGGATGAAGTGATTCAAGTCAATCATCAGACTGTGGTGGGGTGGCAGTTGAAAAATTTGGTGAAT
 GCACTACGAGAGGACCCGAGTGGTGTATCTTAACTTTGAAAAAGCGACCTCAGAGCATGCTTACCTCAG
 CACCAGCTTTACTGAAAAATATGAGATGGAAGCCCTTGTCTGCAGCCTTTATACCTAGAAGTCCCAC
 AAGCAGCGTTGCCACGCCTTCCAGCACCATCAGTACACCCACCAAAGAGACAGTTCTGCTCTCCAGGAT
 CTCTACATCCCCCTCCTCCTGCAGAACCATACATTCCAGGGACGAAAAAGGAAACCTTCTTGTGAAG
 ATCTCAGAGGACATATGGTGGCAAGCCAGTTTCATAAGGGATCTGAATCCCCCAATTCATTTCTGGACCA
 GGAATATCGAAAAGAGTTTAAACATTGTTGAAGAAGACACTGTCTTATATTGCTATGAATATGAAAAAGGA
 CGATCAAGTAGTCAAGGAAGACGAGAAAGCACACCAACCTATGGCAAGCTACGACCTATATCTATGCCAG
 TCGAATAAATTGGGTGGGGACTATGAAGATCCAAATAAGATGAAGAGAGATAGTAGAAGAGAAAACTC
 TCTACTTCGATACATGAGCAATGAAAAAATGCTCAAGAAGAATACATGTTTCAGAGAAACAGCAAAAAAG
 GACACAGGGAAGAAGTCAAAAAAGAAGGGTGATAAGAGTACTAGCCCACTCACTACTCCTTGTGCCTA
 GTTTGCAAATGGATGCATTGAGACAAGACATCATGGGCACACCAGTGCCAGAAACCACACTGTACCATAC
 ATTTCAGCAGTCTCTCTGCAGCAGAAAATCAAAGAAGAAAAACAAAGGAGCTATAGCAGGCAAGAGCAAA
 AGAAGAATTTCTTGAAGGATCTTGGCCGTGGTACTGTGAAGGATGGCTTTGAAAAAGAAAGATGCAA
 AGAGCTATTTTTACAGAAATGGAAGAAGTACTGGTTTGTCTAAAGGATGCATCCTTGTACTGGTATAT
 TAATGAAGAGGATGAAAAAGCAGAGGGATTCATCAGTCTGCCTGAATTTAAAATCGATAGAGCCAGTGAA
 TGCCGCAAGAAATATGCATTCAAGGCCTGCCATCCTAAAATCAAAGCTTTTATTTTCGCTGCTGAGCATC
 TCGATGACATGAACAGGTGGCTTAATAGAATTAACATGCTGACTGCAGGATATGCCGAAAGAGAGAGGAT
 TAAACAAGAACAAGATTACTGGAGTGAGAGTGACAAAGAAGAAGCAGATACTCCATCAACACCAAAAAACA
 GACAGCCCTCCACCCCATATGACACATACCCACGGCCTCCCTCTATGAGTTGTGCCAGTCCCTATGTGG
 AAGCAAAACACAGCCGGCTTTCTCCACAGAGACCTCTCAGTCTCAGTCTTACATGAGGAATTTGACA
 GGAAGTTACTGGGAGCAGTGTGTGTCCCCATTCGCAAGACAGCCAGTCAGCGCCGCTCCTGGCAGGAT
 TTAATCGAGAGCCCACTGACAAGTTCAGGCTTACACTATCTTCAGACTCTGCCTCTGGAAGATTCTGTCT
 TCTCTGACTCGGCAGCCATCTCCCTGAGCACAGGCGGCAGTCCACTCTTCCAACCTCAGAAGTGCCACCT
 CCAGGATCATTATGGCCATACCTTTAGCTGAGAGCGAGAGGATGCAAGTGTTGAATGGCAATGGGGGC
 AAGCCTCGAAGTTTTACTCTGCCTCGAGATAGCGGGTTCAACCATTGCTGTCTGAACGCACCAGTTAGTG
 CCTGCGATCCACAAGATGACATACAGCCACCAGAGGTGGAGGAAGAAGAGGAGGAGGAAGAGGAGGC
 AGCAGGAGAAAACATAGGCGAGAAAAGCTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_021686

Insert Size:	2691 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:	<u>NM_021686.3</u> , <u>NP_067718.1</u>
RefSeq Size:	4454 bp
RefSeq ORF:	2691 bp
Locus ID:	59322
UniProt ID:	<u>Q9Z1T4</u>
Cytogenetics:	Xq21
Gene Summary:	membrane-associated guanylate kinase-interacting protein; may bind the postsynaptic density (PSD)-95 complex and synaptic scaffolding molecules [RGD, Feb 2006] Transcript Variant: This variant (2) has an alternate 3' sequence, as compared to variant 1. The resulting isoform (2) has a shorter C-terminus, as compared to isoform 1.