

Product datasheet for **SC329251**

CNKSR2 (NM_001168647) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CNKSR2 (NM_001168647) Human Untagged Clone
Tag:	Tag Free
Symbol:	CNKSR2
Synonyms:	CNK2; KSR2; MAGUIN; MRXSHG
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001168647, the custom clone sequence may differ by one or more nucleotides

```

ATGGCTGATAATGGAACCGGTGAGCAAATGGTCTCCGAGTCAAGTAGTGGACTGGATG
AAAGGTCTTGATGACTGTTTGCAGCAGTATATTAAGAACCTTGAGAGGGAGAAGATCAGT
GGGGACCAGCTGCTGCGCATTACACATCAGGAGCTAGAAGATCTGGGGTCAAGCCGATT
GGCCATCAGGAACTGATCTTGAAGCAGTTGACCTTCTGTGTGCATTGAATTATGGCTTG
GAAACAGAAAACTAAAAACCTTTCTCACAAGTTGAATGCATCTGCCAAAAATCTGCAG
AATTTTAAACAGGAAGGAGAAGGAGTGGCCATTATGATGGGAGGACCAGCCGAAAAATTG
CCAAACGACTTTCTGACCTCAGTTGTGGATCTGATTGGAGCAGCAAGAGTCTGCTTGCC
TGGTTGGACAGGTCACCATTTGCTGCTGTGACAGACTATTCAGTTACAAGAAATAATGTC
ATACAACCTCTGCCTGGAGTTAACAACAATTGTGCAACAGGATTGTACTGTATATGAAACA
GAGAAATAAAATCTTCAGTGTGTAAAACCTTTCTGGAGTCTGTGACCACATCATATCC
CTGTGCTCAGATCCTCTGGTTTCACAGTCTGCTCACCTGGAAAGTATTCAACTGGCAAAC
ATTAACCAAGCGAAGGGCTGGGTATGTATATTAATCTACATATGATGGCCTCCATGTA
ATTACTGGAACCAAGAAATTCACCTGCAGATCGGTGCAAGAAAATCCATGCTGGCGAT
GAAGTGATTCAAGTTAATCATCAGACTGTGGTGGGGTGGCAGTTGAAAAATTTGGTGAAT
GCACTACGAGAGGACCCGAGTGGTGTATCTTAACTTTGAAAAAGCGACCTCAGAGCATG
CTTACCTCAGCACCAGCTTTACTGAAAAATATGAGATGGAAGCCCCTTGTCTGCAGCCT
CTTATACCTAGAAGTCCCACAAGCAGCGTTGCCACGCTTCCAGCACCATCAGTACACCC
ACCAAAAAGAGACAGTTCTGCCCTCCAGGATCTCTACATTCCTCCCTCCTGCAGAACCA
TATATTCAGGATGAAAAAGGAAACCTTCTTGTGAAGACCTCAGAGGACATATGGTG
GGCAAGCCAGTGCATAAGGGATCTGAATCACCAAATTCATTTCTGGATCAGGAATATCGA
AAGAGATTTAATATTGTCGAAGAAGATACTGTCTTATATTGCTATGAATATGAAAAAGGA
AGATCAAGTAGTCAAGGAAGACGAGAAAGCACCCCAACTATGAAAACTCTACTTCGG
TATATGAGCAATGAAAAGATTGCTCAAGAAGAATACATGTTTCAGAGAAACAGCAAAAAG
GACACAGGGAAGAAGTCAAAAAAGAAGGGTGATAAGAGTAAAGCCCAACTCACTATTCA
TTGCTACCTAGTTTACAATGGATGCACTGAGACAAGACATCATGGGCACTCCTGTGCCA

```



[View online »](#)

GAGACCACACTATACCATACATTTTCAGCAGTCCTCACTGCAGCACAAATCAAAGAAGAAA
AACAAAGGTCCTATAGCAGGCAAGAGCAAAAAGACGAATTTCTTGCAAAGATCTTGCCCGT
GGTGACTGTGAGGGCTGGCTTTGGAAAAAGAAAGATGCGAAGAGTTACTTTTCACAGAAA
TGGAAAAAATATTGGTTTGTCTAAAGGATGCATCCCTTTATTGGTATATTAATGAGGAG
GATGAAAAAGCAGAAGGATTCATTAGCCTGCCTGAATTTAAAATTGATAGAGCCAGTGAA
TGCCGCAAAAAATATGCATTCAAAGCCTGCATCCTAAAATCAAAGCTTTTATTTTGT
GCTGAACATCTTGATGATATGAACAGGTGGCTTAACAGAATTAATATGCTGACTGCAGGA
TATGCAGAAAGAGAGAGGATTAAGCAGGAACAAGATTACTGGAGTGAGAGTGACAAGGAA
GAAGCAGATACTCCATCAACACCAAAAACAAGATAGCCCTCCACCCCATATGATACATAC
CCACGACCTCCCTCGATGAGTTGCGCCAGTCCTTATGTGGAAGCAAAACATAGCCGACTT
TCCTCCACGGAGACTTCTCAGTCTCAGTCTTCTCATGAGGAGTTTCGCCAGGAAGTAACT
GGGAGCAGTGCAGTGTCTCCATTGCAAGACAGCCAGTCAGCGCCGCTCCTGCCAGGAT
TTAATTGAGACGCCACTGACAAGTTCAGGCTTACTACTATCTTCAGACTCTGCCCCGGAG
GATTCTGTCTTCTGACTCCGCGGCCATCTCCCAGAGCACAGGCGGCAGTCTACCTG
CCAACCTCAGAAATGCCACCTGCAGGATCACTATGGGCCATACCCCTTAGCTGAGAGTGAG
AGGATGCAAGTGCTAAATGGAAATGGGGCAAGCCTCGAAGTTTTACTCTGCCTCGAGAT
AGCGGGTTCAACCATTGCTGTCTGAATGCTCCAGTTAGTGCTGTGACCCACAGGATGAC
GTGCAACCCCAAGAGGTGGAGGAAGAGGAGGAGGAGGAGGAGGAAGGGGAGGCAGCA
GGGGAAAAATAGGAGAAAAAGTGAAGCAGAGAAGAAAAGTTAGGAGACTCATTGCAA
GATTTATACAGGGCACTGGAGCAGGCCAGTCTGTCACTACTAGGAGAATCGTATTTCA
ACCAAGATGGAATACAAGCTATCATTTATAAAAAGATGTAATGATCCTGTAATGAATGAA
AACTACACCGGCTGAGAATCTCAAAGCACTTTAAAGGCCAGAGAAGGGGAAGTAGCC
ATTATCGATAAAGTCTAGACAATCCAGACTTGACATCTAAAGAATCCAACAATGGAAG
CAGATGTACCTCGACCTTTTCTTGATATCTGTCAAATACCACCTCAAATGACCCACTG
AGTATTTCTTCTGAAGTAGATGTAATCACTTCCTCTCTAGCACACTCATTATACATT
GAAACGCATGTCTAA

- Restriction Sites:** Please inquire
- ACCN:** NM_001168647
- 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:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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_001168647.1](#), [NP_001162118.1](#)

RefSeq Size: 5679 bp

RefSeq ORF: 3015 bp

Locus ID: 22866

UniProt ID: [Q8WXI2](#)

Cytogenetics: Xp22.12

Gene Summary: This gene encodes a multidomain protein that functions as a scaffold protein to mediate the mitogen-activated protein kinase pathways downstream from Ras. This gene product is induced by vitamin D and inhibits apoptosis in certain cancer cells. It may also play a role in ternary complex assembly of synaptic proteins at the postsynaptic membrane and coupling of signal transduction to membrane/cytoskeletal remodeling. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2009]