

Product datasheet for **SC329178**

CNKSR2 (NM_001168649) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CNKSR2 (NM_001168649) 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)



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_001168649, the custom clone sequence may differ by one or more nucleotides

```

ATGGCTCTGATAATGGAACCGGTGAGCAAATGGTCTCCGAGTCAAGTAGTGGACTGGATG
AAAGGTCTTGACTGTTTGCAGCAGTATATTAAGAAGTTTGGAGGGGAGAAGATCAGT
GGGGACCAGCTGCTGCGCATTACACATCAGGAGCTAGAAGATCTGGGGTTCAGCCGCATT
GGCCATCAGGAAGTGTCTTGAAGCAGTTGACCTTCTGTGTGCATTGAATATGGCTTG
GAAACAGAAAATCTAAAAACCTTTCTCACAAAGTTGAATGCATCTGCCAAAAATCTGCAG
AATTTTATAACAGGAAGGAGAAGGAGTGGCCATTATGATGGGAGGACCAGCCGAAAATTG
CCAAACGACTTTCTGACCTCAGTTGTGGATCTGATTGGAGCAGCCAAGAGTCTGCTTGCC
TGGTTGGACAGGTCACCATTTGCTGCTGTGACAGACTATTGAGTTACAAGAAAATATGTC
ATACAACCTGCTGAGTTAACAACAATTGTGCAACAGGATTGACTGTATATGAAACA
GAGAATAAAAATTTTACGTGTGTAAAACCTTTTCTGGAGTCTGTGACCACATCATATCC
CTGTGCTCAGATCCTCTGGTTTACAGTCTGCTCACCTGGAAGTGATTCAACTGGCAAAC
ATTAACCAAGCGAAGGGCTGGGTATGTATTAATCTACATATGATGGCCTCCATGTA
ATTACTGGAACCCAGAAAATTCACCTGCAGATCGGTGCAAGAAAATCCATGCTGGCGAT
GAAGTGATTCAAGTTAATCATCAGACTGTGCTTATACCTAGAAAGTCCACAAGCAGC
GTTGCCACGCCTTCCAGCACCATCAGTACACCCACAAAAGAGACAGTTCTGCCCTCCAG
GATCTCTACATTTCCCTCCTCCTGCAGAACCATATATCCCAGGGATGAAAAAGGAAAC
CTTCTTGTGAAGACCTCAGAGGACATATGGTGGGCAAGCCAGTGCATAAGGGATCTGAA
TCACCAAATTCATTTCTGGATCAGGAATATCGAAAAGAGATTTAATATTGTGGAAGAAGAT
ACTGTCTTATATTGCTATGAATATGAAAAGGAAGATCAAGTAGTCAAGGAAGACGAGAA
AGCACCCCAACTATGGCAAGCTACGACCTATATCTATGCCAGTGAATATAATTGGGTG
GGGACTATGAAGATCCAAATAAGATGAAGAGAGATAGTAGAAGAGAAAACCTCTACTT
CGGTATATGAGCAATGAAAAGATTGCTCAAGAAGAATACATGTTTCAGAGAAACAGCAAA
AAGGACACAGGGAAGAAGTCAAAAAAGAAGGGTATAAGAGTAATAGCCCAACTCACTAT
TCATTGCTACCTAGTTTACAAATGGATGCACTGAGACAAGACATCATGGGCACTCCTGTG
CCAGAGACCACACTATACCATACATTTTACAGCAGTCTCCTACTGCAGCACAAATCAAAGAAG
AAAAACAAAGGTCTATAGCAGGCAAGAGCAAAAGACGAATTTCTTGCAAAGATCTTGGC
CGTGGTGACTGTGAGGGCTGGCTTTGGAAAAAGAAAGATGCGAAGAGTTACTTTTACAG
AAATGGAAAAAATATTGGTTTGCCTAAAGGATGCATCCCTTTATTGGTATATTAATGAG
GAGGATGAAAAGCAGAAGGATTATTAGCCTGCCTGAATTTAAAATTGATAGAGCCAGT
GAATGCCGCAAAAATATGCATTCAAAGCCTGTATCCTAAAATCAAAGCTTTTATTTT
GCTGCTGAACATCTTGATGATATGAACAGGTGGCTTAACAGAATTAATATGCTGACTGCA
GGATATGCAGAAAAGAGAGAGGATTAAGCAGGAACAAGATTACTGGAGTGAGAGTGACAAG
GAAGAAGCAGATACTCCATCAACACCAAAAACAAGATAGCCCTCCACCCCATATGATACA
TACCCACGACCTCCCTCGATGAGTTGCGCCAGTCTTATGTGGAAGCAAAAACATAGCCGA
CTTTCCTCCACGGAGACTTCTCAGTCTCAGTCTTCTCATGAGGAGTTTCGCCAGGAAGTA
ACTGGGAGCAGTGCAGTGTCTCCATTCGCAAGACAGCCAGTCAAGCCGCTCCTGGCAG
GATTTAATTGAGACGCCACTGACAAGTTCAGGCTTACACTATCTTCAGACTCTGCCCTCG
GAGGATTCTGTCTTCTGACTCCGCGGCATCTCCCCAGAGCACAGGCGGAGTCTACC
CTGCCAACTCAGAAATGCCACCTGCAGGATCACTATGGGCCATACCCCTTAGCTGAGAGT
GAGAGGATGCAAGTGCTAAATGGAAATGGGGGCAAGCCTCGAAGTTTTACTCTGCCTCGA
GATAGCGGGTTCAACCATGCTGTCTGAATGCTCCAGTTAGTGCCTGTGACCCACAGGAT
GACGTGCAACCCCAAGGTGGAGGAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGCA
GCAGGGGAAAACATAGGAGAAAAAGCTAA

```

Restriction Sites: Please inquire
ACCN: NM_001168649

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:	<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_001168649.1</u> , <u>NP_001162120.1</u>
RefSeq Size:	4372 bp
RefSeq ORF:	2550 bp
Locus ID:	22866
UniProt ID:	<u>Q8WXI2</u>
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]