

Product datasheet for **SC114766**

CNKSR2 (NM_014927) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CNKSR2 (NM_014927) 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)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_014927, the custom clone sequence may differ by one or more nucleotides

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ATGGCTCTGATAATGGAACCGGTGAGCAAATGGTCTCCGAGTCAAGTAGTGGACTGGATGAAAGGTCTTG
ATGACTGTTTGCAGCAGTATATTAAGAAGTTTGGAGGGAGAAGATCAGTGGGGACCAGCTGCTGCGCAT
TACACATCAGGAGCTAGAAGATCTGGGGTCCAGCCGATTGGCCATCAGGAACTGATCTTGAAGCAGTT
GACCTTCTGTGTGCATTGAATTATGGCTTGGAAACAGAAAATCTAAAAACCTTTCTCACAGTTGAATG
CATCTGCCAAAAATCTGCAGAATTTTATAACAGGAAGGAGAAGGAGTGGCCATTATGATGGGAGGACCAG
CCGAAAATTGCCAAACGACTTTCTGACCTCAGTTGTGGATCTGATTGGAGCAGCCAAGAGTCTGCTTGCC
TGGTTGGACAGGTCACCATTTGCTGTGTGACAGACTATTCAGTTACAAGAAATAATGTCATACAACCTCT
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GCTCACCTGGAAGTATTCAACTGGCAAACATTAACCAAGCGAAGGGCTGGGTATGTATATTAATCTA
CATATGATGGCCTCCATGTAATTACTGGAACCACAGAAAATTCACCTGCAGATCGGTGCAAGAAAATCCA
TGCTGGCGATGAAGTGATTCAAGTTAATCATCAGACTGTGGTGGGGTGGCAGTTGAAAAATTTGGTGAAT
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GATTTATACAGGGCACTGGAGCAGGCCAGTCTGTCACTAGGAGAATCGTATTTCAACCAAGATGG
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TCTCAAAGCACTTTAAAGGCCAGAGAAGGGGAAGTAGCCATTATCGATAAAGTCTAGACAATCCAGAC
TTGACATCTAAAGAATTCACAACATGGAAGCAGATGTACCTCGACCTTTTCTTGATATCTGTCAAATA
CCACCTCAATGACCCACTGAGTATTTCTCTGAAGTAGATGTAATCACTTCTCTCTAGCACACTCA
TTACATACATTGAAACGCATGTCTAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_014927 unedited CATT TTTGT CATACGACTCACTCATAGGGCGGCCGCGATTCCGGCACGAGGGCAGCAGCCGC CGCCGCCGCCCTTAGCGGGAAGT GAGCAGACCCGGCGCGGAGCCACGACTCCTGCACGTTT ACCTCCCTGTCGCCGTTCTCGCGCGGTTGGCTAAAAGACGTTACAGCCGCGAGACCCG ACACACAAAAGCCGCTTCTCCGCGCCGCCAGGGAGGCTGCGGCCAGCAAGGGAC CCCACCTGAGAACAGCTCGGGCTGCTGAGTTCGTTCTGTGTCTGAGCTCTGCGCTCTGCA CGGAACCGACCCGTACCCATGGCTCTGATAATGGAACCGGTGAGCAAATGGTCTCCGAG TCAAGTAGTGGACTGGATGAAAGGCTTTGATGACTGTTTGCAGCAGTATATTAAGAACCT CTGAGAGGGAGAAGATCAGTGGGGACCAGCTGCTGCGCATTACACATCAGGAGCTAGAAG ATCTGCGGGTCAGCCGATTGGCCATCAGGAACTGATCTTGAAGCAGTTGACCTTCTGT GTGCATTGAATTATGGCTTGAACCAAAACCTAAAACCTTTCTACAAGTTGAAGCATC TGCCAAAATCTGCAGAATTTATACCAGGAGGAGATGAGCGCCCTTATGATGGGAGGACCC CCCGAAATTGCCAAAGACTTTCTGACCTCAGTTGTGGATCTGATTGGAGCCACCCAAAAT CTGCCTGCCCTGTTTGGCCGTTACCATTGCTGCTGGGACAAACAATTCAATTACAAGA AAAATGCCCTCCAACCTCGCCTGGAGTTACAACCAATGTGGCAAAGGATTGTA CTGTA TTTGAAACAATAAACTAAATTCCTCCGCGTTGAAAACCTCTTCTGGGAGGTGTGGACCC CACTTTATTCTGTTGGCAGACCCCTTGGTTACACAGCATGCTCCCCCTGAAAAGGAC CCAACCTGGCGAACTTAT
Restriction Sites:	NotI-NotI
ACCN:	NM_014927
Insert Size:	4000 bp
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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
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_014927.1 , NP_055742.1

RefSeq Size: 5769 bp

RefSeq ORF: 5769 bp

Locus ID: 22866

UniProt ID: [Q8WXI2](#)

Cytogenetics: Xp22.12

Domains: PDZ, SAM, PH

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] Transcript Variant: This variant (1, also known as CNK2A and MAGUIN-1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.