

Product datasheet for RC230613

CNKSR2 (NM_001168647) Human Tagged ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | CNKSR2 (NM_001168647) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | CNKSR2 |
| Synonyms: | CNK2; KSR2; MAGUIN; MRXSHG |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |
| ORF Nucleotide Sequence: | >RC230613 representing NM_001168647 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTCTGATAATGGAACCGGTGAGCAAATGGTCTCCGAGTCAAGTAGTGGACTGGATGAAAGGCTTG
ATGACTGTTTGCAGCAGTATATTAAGAAGTTTGGAGGGAGAAGATCAGTGGGACCAGCTGCTGCGCAT
TACACATCAGGAGCTAGAAGATCTGGGGTTCAGCCGATTGGCCATCAGGAAGTATCTTGAAGCAGTT
GACCTTCTGTGTGATTGAATTATGGCTTGGAAACAGAAAATCTAAAAACCTTTCTCACAAAGTTGAATG
CATCTGCCAAAAATCTGCAGAATTTTATAACAGGAAGGAGAAGGAGTGGCCATTATGATGGGAGGACCAG
CCGAAAATTGCCAAACGACTTTCTGACCTCAGTTGTGGATCTGATTGGAGCAGCCAAGAGTCTGCTTGCC
TGGTTGGACAGGTCACCATTTGCTGTGTGACAGACTATTCAGTTACAAGAAATAATGTCATACAACCTCT
GCCTGGAGTTAACAACAATTGTGCAACAGGATTGTACTGTATATGAAACAGAGAATAAAATCTTTCACGT
GTGTAAGTCTTTCTGGAGTCTGTGACCACATCATATCCCTGTCGTGAGTCCCTCTGGTTTCACAGTCT
GCTCACCTGGAAGTATTCAACTGGCAAACATTAACCAAGCGAAGGGCTGGGTATGTATATTAATCTA
CATATGATGGCCTCCATGTAATTACTGGAACACAGAAAATTCACCTGCAGATCGGTGCAAGAAAATCCA
TGCTGGCGATGAAGTATTCAAGTTAATCATCAGACTGTGGTGGGGTGGCAGTTGAAAAATTTGGTGAAT
GCACTACGAGAGGACCCGAGTGGTGTATCTTAACTTTGAAAAAGCGACCTCAGAGCATGCTTACCTCAG
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AAGCAGCGTTGCCAGCCTTCCAGCACCATCAGTACCCACCAAAGAGACAGTTCTGCCTCCAGGAT
CTCTACATTCCCCTCCTCCTGCAGAACCATATATCCCAGGGATGAAAAAGGAAACCTTCTTGTGAAG
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GGAATATCGAAAGAGATTTAATATTGTCGAAGAAGATACTGTCTTATATTGCTATGAATATGAAAAAGGA
AGATCAAGTAGTCAAGGAAGACGAGAAAGCACCCCACTTATGAAAACCTCTACTTCGGTATATGAGCA
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AGCACAAATCAAAGAAGAAAAACAAAGGTCCTATAGCAGGCAAGAGCAAAAGACGAATTTCTTGCAAAGA
TCTTGGCCGTGGTGACTGTGAGGGCTGGCTTTGGAAAAAGAAAGATGCGAAGAGTTACTTTTACAGAAA
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CAGAAGGATTCATTAGCCTGCCTGAATTTAAAATTGATAGAGCCAGTGAATGCCGCAAAAAATATGCATT
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TGATACATACCCAGACCTCCCTCGATGAGTTGCCAGTCCTTATGTGGAAGCAAAACATAGCCGACTT
TCTCCACGGAGACTTCTCAGTCTCAGTCTTCTCATGAGGAGTTTCGCCAGGAAGTAAGTGGGAGCAGTG
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GCAGGCCAGTCTGTCAACACTAGGAGAACATCGTATTTCAACCAAGATGGAATACAAGCTATCATTATA
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CCAGAGAAGGGGAAGTAGCCATTATCGATAAAGTCTAGACAATCCAGACTTGACATCTAAAGAATTCCA
ACAATGGAAGCAGATGTACCTCGACCTTTTCTGGATATCTGTCAAAATACCACCTCAAATGACCCACTG
AGTATTTCTTCTGAAGTAGATGTAATCACTTCTCTAGCACACTCATTATACATTGAAACGCATG
TC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATGAGTTTAA

Protein Sequence:

>RC230613 representing NM_001168647
Red=Cloning site Green=Tags(s)

MALIMEPVSKWSPSQVVDWMKGLDDCLQQYIKNFEREKISGDQLLRITHQELEDLGVSRIGHQELILEAV
DLLCALNYGLETENLKTLSHKLNASAKNLQNFITGRRRSGHYDGRTRKLPNDFLTTSVVDLIGAAKSLLA
WLDSPFAAVTDYSVTRNNVIQLCLELTTIVQQDCTVYETENKILHVCKTSGVCDHIISLSSDPLVSQS
AHLEVIQLANIKPSEGLGMYIKSTYDGLHVITGTTENSPADRCKKIHAGDEVIQVNHQTVVWQLKNLVN
ALREDPSGVILTLKRPQSM L TSAPALLKNMRWKPLALQPLIPRSPTSSVATPSSTISTPTKRDSSALQD
LYIPPPPAEPIPRDEKGNLPCEDLRGHMVGKPVHKGSESPNSFLDQEYRKRFNIVEEDTVLYCYEYKGG
RSSSQRRRESTPTYENSLRYMSNEKIAQEEYMFQRNSKKTGKSKKKGDKSNSPHTHYSLLPSLQMDAL
RQDIMGTPVPETTLYHTFQQSSLQHKSKKNKGP IAGKSKRRI SCKDLGRGDCEGLWKKKDAKSYFSQK
WKKYWFVLKDALYWIINEEKEAEGFISLPEFKIDRASECRKKYAFKACHPKIKSFYFAAEHLDDMNRW
LNRINMLTAGYAEERERIKQE QDYWSESDKEEADTPSTPKQD SPPPPYDYPRPPSMSCASPYVEAKHSRL
SSTETSQSQSSHEEFRQEVTGSSAVSPIRKTASQRRSWQDLIETPLTSSGLHYLQTLPLEDSVFSASA
SPEHRRQSTLPTQKCHLQDHYGPYPLAESERMQV L NGNGGKPRSF T L PRDSGFNHCLNAPVSACDPQDD
VQPPEVEEEEEEEGEAAGENIGEKSESREEKLGDSLQDL YRALEQASL SPLGEHRISTKMEYKLSFI
KRCNDPVMNEKLHRLRILKSTLKAREGEVAI IDKVL DNPDLTSKEFQQWKQMYLDLFLDICQNTTSDNPL
SISSEVDVITSSLAHTHSYIETHV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

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| 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_001168647.3 |
| RefSeq ORF: | 3015 bp |
| Locus ID: | 22866 |
| UniProt ID: | Q8WXI2 |
| Cytogenetics: | Xp22.12 |
| MW: | 114.4 kDa |
| 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] |