

Product datasheet for MR211490

Cnksr2 (NM_177751) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cnksr2 (NM_177751) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cnksr2
Synonyms:	Cnk2; Ksr2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211490 representing NM_177751 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

ATGGCTCTGATAATGGAACCGGTGAGCAAATGGTCTCCGAGTCAAGTAGTGGACTGGATGAAAGTCTTG
ATGACTGTTTGCAGCAGTACATTAAGAAGTTTGGAGAGAGAAGATCAGTGGAGACCAGCTGCTACGCAT
TACACATCAGGAGCTAGAAGATCTGGGAGTCAGCCGATTGGCCATCAGGAGCTGATCTTGAAGCAGTT
GACCTTTTGTGTGCACTGAATTATGGCTTAGAAACAGAAAATCTAAAAACACTTTCTCACAAGTTGAATG
CATCTGCCAAAAATCTACAAAATTCATAACAGGAAGGAGAAGGAGCGGCCATTATGATGGGAGGACCAG
CCGAAAAATTACCAAATGACTTTTTGACCTCAGTTGTGGATCTGATTGGAGCAGCCAAGAGTCTTCTTGCT
TGGTTGGACAGGTCACCATTTGCTGCTGTGACAGACTATTCAGTCAACAAGAAATAACGTCATACAGCTCT
GCTTGGAAATTAACAACAATTGTGCAACAGGATTGCACTGTATATGAAACTGAAAAATAAAATCTTTCATGT
GTGTAACACTCTCTGAGTCTGTGACCACATCATATCCCTGTCCATCAGATCCTCTGGTTTCACAGTCT
GCTCACCTGGAAGTATTGAGCTGGCAAAATCAAACCAAGTGAAGGGCTGGGTATGTATATTAATCCA
CATATGATGGCCTCCATGTAATTACCGGACCACAGAAAATTCACCTGCAGATCGCTGTAAGAAAATCCA
TGCTGGTGATGAAGTAATCCAAGTGAACCATCAGACTGTGGTGGGTGGCAGTTGAAAAATTTGGTGAAT
GCACTACGAGAGGACCCGAGTGGTGTATCTTAACTTTGAAAAAGCGACCTCAGAGCATGCTTACCTCAG
CACCAGCTTTACTGAAAAATATGAGATGGAAGCCCTTGCTCTGCAGCCTTATACCTAGAAGTCCCAC
AAGCAGCGTTGCCACGCCCTCCAGCACCATCAGTACACCCACAAAAGAGACAGTTCTGCTCTCCAGGAT
CTCTACATCCCCCTCCTCCTGCAGAACCATATATCCAGGGATGAAAAAGGAAACCTTCTTGTGAAG
ACCTCAGAGGACATATGGTGGGCAAGCCAGTTCATAAGGGGTCTGAATCCCCAAATTCATTTCTGGACCA
AGAATATCGAAAGAGTTTAAACATTGTTGAAGAAGATACTGTCTTATATTGCTATGAATATGAAAAGGGA
CGATCAAGTAGTCAAGGAAGACGGGAAAGCACACCAACCTATGGCAAGCTACGACCTATATCTATGCCAG
TGAATATAATTGGTGGGGACTATGAAGATCCAAATAAGATGAAGAGAGATAGTAGAAGAGAAAACTC
TCTACTCGATACATGAGCAATGAAAAATTTGCTCAAGAAGAATACATGTTTCAGAGAAACGACAAAAAA



[View online »](#)

GACACAGGGAAGAAGTCAAAAAAGAAGGGTGATAAGAGTAATAGCCCAGCCCACTACTCATTGCTGCCTA
 GTTTGCAATGGATGCATTGAGACAAGACATCATGGGCACACCAGTGCCAGAAACCACACTGTACCATAC
 ATTTCAACAGTCTCTCTGCAGCACAATCAAAGAAGAAAAACAAAGGAGCTATATCAGGCAAGAGCAAA
 AGAAGAATTTCTTGAAGGATCTTGCCCGTGGTACTGTGAAGGATGGCTTTGAAAAAGAAAGATGCAA
 AGAGCTATTTTTCACAGAAATGGAAGAAGTACTGGTTTGTCTAAAGGATGCATCCCTATACTGGTATAT
 TAATGAAGAGGATGAAAAAGCAGAAGGATTCATCAGTCTGCCTGAATTTAAAAATCGATAGAGCCAGTGAA
 TGCCGCAAGAAATATGCATTCAAAGCCTGCCATCCTAAAATCAAAGCTTTTATTTTGTCTGCTGAACATC
 TTGATGACATGAACAGGTGGCTTAACAGAATTAACATGCTGACTGCAGGATATGCAGAAAGAGAGAGGAT
 TAAACAAGAACAAGATTACTGGAGCGAGAGTGACAAAGAAGAAGCAGATACTCCATCGACACCAAAAAACA
 GACAGCCCTCCGCCCCCTATGACACATACCCACGGCCTCCCTCTATGAGTTGTGCCAGTCTTATGTGG
 AAGCAAAACACAGCCGGCTTTCCTCCACAGAGACCTCTCAGTCTCAGTCTTACACGAGGAGTTCGCCCA
 GGAAGTCACTGGGAGCAGTGTGTGTCTCCATTGCAAGACAGCCAGTCAAGCCGCTCCTGCCAGGAT
 TTAATCGAGACACCGCTGACAAGCTCAGGCTTACACTATCTTCAAGTCTGCCTCTGGAAGATTCTGTCT
 TCTCGGATTCAGCAGCCATCTCCCCTGAGCACAGGCGGAGTCCACTCTTCCAACCTCAGAAGTCCACCT
 CCAGGATCATTATGGCCATACCTTTAGCAGAGAGCGAGAGGATGCAAGTGTTAAACGGCAATGGGGC
 AAGCCTCGAAGTTTTACTCTGCCTCGAGATAGCGGGTTCAACCATTGCTGTCTGAACACACCAGTTAGTG
 CCTGTGACCCACAAGATGACATACAGCCACCAGAGGTGGAGGAAGAAGAGGAGGAGGAAGAAGAGGAAGC
 AGCAGGAGAAAACGTTGGAGAGAAAAATGAAAACAGGGAAGAAAATTAGGAGACTCCTTGAAGATTTA
 TACAGGGCACTGGAGGAAGCCAGTCTGTACCCTAGGAGAACATCGCATTTCAACCAAGATGGAATACA
 AACTATCATTATAAAACGGTGTATGATCCTGTGATGAATGAGAACTGCACAGGCTGAGAATCTTAA
 AAGCACTTTAAAGGCCAGAGAAGGGGAAGTAGCCATTATTGATAAAGTCTAGACAATCCAGACTTGACT
 TCTAAAGAATCCAACAATGGAAGCAGATGTACCTCGACCTTTTCTTGGATATCTGTCAAAGCACCACCT
 CAAATGACCCACTAAGTATCTCTTCTGAAGTAGATGTTCTCACTTCTCTCTAACACACTCACTCATA
 CATTGAGACACATGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR211490 representing NM_177751
 Red=Cloning site Green=Tags(s)

MALIMEPVSKWSPSQVVDWMKGLDDCLQQYIKNFEREKISGDQLLRITHQELEDLGVSRIGHQELILEAV
 DLLCALNYGLETENLKTLSHKLNASAKNLQNFITGRRRSRSHYDGRTRKLPNDFLTSVVDLIGAASLLA
 WLDRSPFAAVTDYSVTRNNVIQLCLELTTIVQQDCTVYETENKILHVCKTSGVCDHIISLSSDPLVSQS
 AHLEVIQLANIKPSEGLGMYIKSTYDGLHVTGTENSPADRCKKIHAGDEVIQVNHQTVVGWQLKNLVN
 ALREDPSGVILTLKKRPQSMLTSAPALLKNMRWKPLALQPLIPRSPSSVATPSSISTPTKRDSSALQD
 LYIPPPPAEPIPRDEKGNLPCEDLRGHMVGKPVHKGSESPNSFLDQYRKRFRNIVEEDTVLYCYEYKGG
 RSSSQRRRESTPTYGKLRPISMPVEYNWVGDYEDPNMKRDSRRENSLLRYMSNEKIAQEEYMFQRNSKK
 DTGKSKKKGDKSNSPAHYSLLPSLQMDALRQDIMGTPVPETTLYHTFQQSSLQHKSKKKNKGAISGKSK
 RRI SCKDLGRGDCEGWLWKKKDAKSYFSQWKWYWFVLKDASLWYIINEEKAEGFISLPEFKIDRASE
 CRKKYAFKACHPKIKSFYFAAEHLDDMNRWLNRLINMLTAGYERERIKQEQDYWSESDKEEADTPSPKQ
 DSPPPPYDTPRPPSMSCASPYVEAKHSRLSSTETSQSQSSHEEFRQEVGTSSAVSPIRKASQRRSQWQ
 LIETPLTSSGLHYLQTLPLEDSVFSASAISPEHRRQSTLPTQKCHLQDHYGPYPLAESERMQVNLNGGG
 KPRSFTLPRDSGFNHCLNTPVSACDPQDDIQPPEVEEEEEEEEEEAAGENVGEKENREKLGDSLQDL
 YRAL EEASL SPLGEHRISTKMEYKLSFIKRCNDPVMNEKLHRLRILKSTLKAREGEVAIIDKVLDPDLT
 SKEFQWKQMYLDLFLDICQSTTSNDPLSISSEVDVLTSSLTHTHSYIETHV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9047_g12.zip

Restriction Sites:

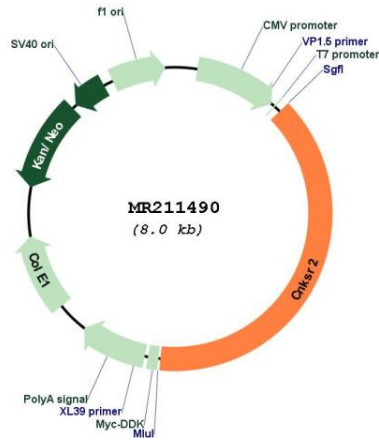
SgfI-MluI

Cloning Scheme:


- ACCN:** NM_177751
- ORF Size:** 3096 bp
- OTI Disclaimer:** 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](#)
- 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:**
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_177751.3](#), [NP_808419.1](#)
- RefSeq Size:** 5434 bp
- RefSeq ORF:** 3099 bp
- Locus ID:** 245684
- UniProt ID:** [Q80YA9](#)

Cytogenetics: X F4
 MW: 117.8 kDa
 Gene Summary: May function as an adapter protein or regulator of Ras signaling pathways.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR211490