

Product datasheet for **MR219948**

Cnksr3 (NM_172546) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cnksr3 (NM_172546) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cnksr3
Synonyms:	6820402C05; BC024086; Magi1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>MR219948 representing NM_172546
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGCCCGTGACCAAGTGGAGCCCCAACAAAGTGGTGGACTGGACTAGAGGGTTGGATGACTGCCTGC
 AGCCATATGTGCACAAGTTTGGAGCGGGAGAAGATAGACGGGGAGCAGTTGCTGAAAAATCTCCACCAGGA
 TCTCGAGGAAGTGGGGTACACGGATCGGCCACCAAGAGCTGGTGTGGAGGCTGTGGATCTTCTCTGT
 GCACTGAATTATGGCCTTGAAGTACTACTATGAAGAAGTGGTCTGAAACTGCGGGCATCTTCCACACA
 ACTTGCAGAAATACATCAGTAGCCGCCGGAAGAGTCCAGCCTACGATGGGAATACGTCCCGTAAGCCCC
 CAACGAGTTCCTGACTTCTGTGGTGAAGTCAATGGTGTGCCAAGGCCCTGCTGGCTTGGCTGGACCGG
 GCTCCATTCACAGGGATCACAGATCTCTGTGACAAAGAACAAAATCATCCAAGTGTGCCTGGACCTGA
 CCACAGCAGTCCAGAAGGATTGCCTCATAGCAGAAATGGAGGATAAAGTTTTAAATGTGGTCAAGTTTT
 AAATGGCATCTGTGACAAAAAATGCGCTCTACTACAGACCCTGTATGAGCCAGTGTGCCTGCCTGGAG
 GAAGTTCACTTACCAATGTTAGACCCGGGAAGGCCCTGGGCATGTACATCAAGTCAACCTACGACGGAC
 TGCATGTGATTACTGGAACACAGAAAATTCCTCTGCAGACAGATCTCAAAGATTACAGCTGGCGATGA
 GGTCAATCAAGTCAATCGGCAGACAGTGGTGGGTGGCAGTTGAAAAATCTGGTGAGAAAGTTGAGAGAG
 AACCCACGGGCGTGGTGTCTGTCTGAAGAAGAGGCCACGGGCTCCTCAGCTTCACTCCGGCCCCAC
 TGAAGAACCTGCGGTGGAAGCCACCGCTCGTGCAGACCTACCCCGCCACCACCACCCAGTCCCAGAG
 GAGTACCATGGATGCCTCCCTGAAGAAGGAGAAGCCAGCCATCCTGGATCTATACATCCCTCCCCACCT
 GCTGTCCCCTACTCTCCCGGGATGAGAAATGTGAGTTTCGGCTACAGAGGACACAGTAAGAGTAAGCAGC
 CGTTGCCTGTGCGCAAGGGTCCGAGTCCCCTAACTCCTTCTGGACCAGGAGAGCCAAAGACGAGATT
 TACCATTGCAGATCCGATCAGCTGCCCGGTATTCGGTGGAACCAATGTTCTGCCACAAAAATGAGA
 GGAAGACACCATCCTACGGCAAACCCCGCCTGTCCATGCCTGCCGATGGAACTGGATGGGGATCG
 TGGACCCTTTTGCTAAACCTCGAGGAAATGGGAGGAAAGGGGAAGATGCCCTGCGCGTACTTCAGCAA
 TGAGCGGATCACACCCATCACTGAAGAAAGTGCCTCTCCTATGTACCGGTTCTCTAGACCCTGACTGAG
 CGGCACCTGGTCCGAGGTGCGGACTACATCCGAGGGAGCAGGTGCTACATCAACTCCGACCTACACAGCA
 GTGCCACCATTCCATTCCAGGAGGAAGTTCCAAGAAGAATCAGCCTCCTCATCGGCCAAGGCGTCTCT
 TGGGGAGCCGTCGCTGCTGGTCACTGGCTGACTCGCCTCAAGCTGTTGACTCAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR219948 representing NM_172546
 Red=Cloning site Green=Tags(s)

MEPVTKWSPKQVVDWTRGLDDCLQPYVHKFEREKIDGEQLLKISHQDLEELGVTRIGHQELVLEAVDLLC
 ALNYGLETDTMKNLVLKLRASSHNLQNYISSRRKSPAYDGNTSRKPPNEFLT SVVELIGAAKALLAWLDR
 APFTGITDLSVTKNKIIQLCLDLTTAVQKDCLIAEMEDKVLNVKVLNGICDKTMRSTTDPVMSQCACLE
 EVHLPNVRPGEGLGMYIKSTYDGLHVITGTTENSPADRSQKIHAGDEVIQVNRQTVVWQLKNLVRKLR
 NPTGVVLLLLKKRPTGSFSFTPAPLKNLRWKPPLVQTSPPPTTTQSPESTMDASLKEKPAILDLYIPPPP
 AVPYSPRDENVSFYGRGHSSKQPLPVRKGSSEPNFLDQESQRRRFTIADSDQLPGYSVETNVLPTKMR
 GKTPSYGKPRPLSMPADGNWMI VDPFAKPRGNRKGEDALCRYFSNERITPITEESASPMYRFSRPLTE
 RHLVRGADYIRGSRCYINSDLHSSATIPFQEEGSKKKSASSSAKASSGEPSSLVSWLTRLKLLTH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

ACCN:	NM_172546
ORF Size:	1665 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:	<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_172546.2 , NP_766134.1
RefSeq Size:	3448 bp
RefSeq ORF:	1668 bp
Locus ID:	215748
UniProt ID:	Q8BMA3
Cytogenetics:	10 A1
MW:	62.3 kDa
Gene Summary:	Involved in transepithelial sodium transport. Regulates aldosterone-induced and epithelial sodium channel (ENaC)-mediated sodium transport through regulation of ENaC cell surface expression. Acts as a scaffold protein coordinating the assembly of an ENaC-regulatory complex (ERC).[UniProtKB/Swiss-Prot Function]