

Product datasheet for **MG219948**

Cnksr3 (NM_172546) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cnksr3 (NM_172546) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cnksr3
Synonyms:	6820402C05; BC024086; Magi1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG219948 representing NM_172546
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCCCGTGACCAAGTGGAGCCCCAAACAAGTGGTGGACTGGACTAGAGGGTTGGATGACTGCCTGC
 AGCCATATGTGCACAAGTTTGGAGCGGGAGAAGATAGACGGGGAGCAGTTGCTGAAAAATCTCCACCAGGA
 TCTCGAGGAAGTGGGGTACACGGATCGGCCACCAAGAGCTGGTGTGGAGGCTGTGGATCTTCTCTGT
 GCACTGAATTATGGCCTTGAAGTACTACTATGAAGAAGTGGTCTGAAACTGCGGGCATCTTCCACACA
 ACTTGCAGAAATACATCAGTAGCCGCCGGAAGAGTCCAGCCTACGATGGGAATACGTCCCGTAAGCCCC
 CAACGAGTTCCTGACTTCTGTGGTGAAGTCAATGGTGTGCCAAGGCCCTGCTGGCTTGGCTGGACCGG
 GCTCCATTCACAGGGATCACAGATCTCTGTGACAAAGAACAAAATCATCCAAGTGTGCCTGGACCTGA
 CCACAGCAGTCCAGAAGGATTGCCTCATAGCAGAAATGGAGGATAAAGTTTTAAATGTGGTCAAGTTTT
 AAATGGCATCTGTGACAAAAAATGCGCTCTACTACAGACCCTGTATGAGCCAGTGTGCCTGCCTGGAG
 GAAGTTCACTTACCAATGTTAGACCCGGGAAGGCTGGGCATGTACATCAAGTCAACCTACGACGGAC
 TGCATGTGATTACTGGAACCACAGAAAATTCCTCTGCAGACAGATCTCAAAGATTACAGCTGGCGATGA
 GGTCAATCAAGTCAATCGGCAGACAGTGGTGGGTGGCAGTTGAAAAATCTGGTGAGAAAGTTGAGAGAG
 AACCCACGGGCGTGGTGTCTGTCTGAAGAAGAGGCCACGGGCTCCTCAGCTTCACTCCGGCCCCAC
 TGAAGAACCTGCGGTGGAAGCCACCGCTCGTGCAGACCTACCCCGCCACCACCACCCAGTCCCAGAG
 GAGTACCATGGATGCCTCCCTGAAGAAGGAGAAGCCAGCCATCCTGGATCTATACATCCCTCCCCACCT
 GCTGTCCCCTACTCTCCCGGGATGAGAATGTGAGTTTCGGCTACAGAGGACACAGTAAGATGAGCAGC
 CGTTGCCCTGTGCGCAAGGGTCCGAGTCCCCTAACTCCTTCTGGACCAGGAGAGCCAAAGACGCAGATT
 TACCATTGCAGATCCGATCAGCTGCCCGGGTATTCGGTGGAAACCAATGTTCTGCCACAAAAATGAGA
 GGAAGACACCATCCTACGGCAAACCCCGCCTGTCCATGCCTGCCGATGGAACTGGATGGGGATCG
 TGGACCCTTTTGCTAAACCTCGAGGAAATGGGAGGAAAGGGGAAGATGCCCTGCGCGTACTTCAGCAA
 TGAGCGGATCACACCCATCACTGAAGAAAGTGCCTCTCCTATGTACCGGTTCTCTAGACCCTGACTGAG
 CGGCACCTGGTCCGAGGTGCGGACTACATCCGAGGGAGCAGGTGCTACATCAACTCCGACCTACACAGCA
 GTGCCACCATTCCATTCCAGGAGGAAGTTCCAAGAAGAATCAGCCTCCTCATCGCCAAGGCGTCTCT
 TGGGGAGCCGTCGCTGCTGGTCACTGGCTGACTCGCCTCAAGCTGTTGACTCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG219948 representing NM_172546
 Red=Cloning site Green=Tags(s)

MEPVTKWSPKQVVDWTRGLDDCLQPYVHKFEREKIDGEQLLKIISHQDLEELGVTRIGHQELVLEAVDLLC
 ALNYGLETDTMKNLVLKLRASSHNLQNYISSRRKSPAYDGNTSRKPPNEFLT SVVELIGAAKALLAWLDR
 APFTGITDLSVTKNKIIQLCLDLTAVQKDCLIAEMEDKVLNVKVLNGICDKTMRSTTDPVMSQACLE
 EVHLPNVRPGEGLGMYIKSTYDGLHVITGTTENSPADRSQKIHAGDEVIQVNRQTVVWQLKNLVRKLRE
 NPTGVVLLKKRPTGSFSFTPAPLKNLRWKPLVQTSPPPTTTQSPESTMASLKKKEPAILDLYIPPPP
 AVPYSPRDENVFgyRGHSKSKQPLPVRKGSESPNSFLDQESQRRRFTIADSDQLPGYSVETNVLPTKMR
 GKTPSYGKPRPLSMPADGNWGMIVDPFAKPRGNGRKGEDALCRYFSNERITPITEESASPMYRFSRPLTE
 RHLVRGADYIRGSRCYINSDLHSSATIPFQEESKKKSASSSAKASSGEPSSLVSWLTRLKLLTH

TRTRPLE - GFP Tag - V

Restriction Sites:

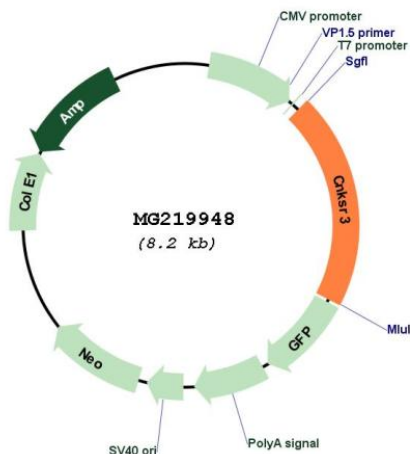
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



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
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]