

Product datasheet for **MC219000**

Cnksr3 (NM_172546) Mouse Untagged Clone

Product data:

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



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Fully Sequenced ORF: >MC219000 representing NM_172546
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGAGCCCGTGACCAAGTGGAGCCCCAACAAAGTGGTGGACTGGACTAGAGGGTTGGATGACTGCCTGC
AGCCATATGTGCACAAGTTTGGAGCGGGAGAAGATAGACGGGGAGCAGTTGCTGAAAAATCTCCACCAGGA
TCTCGAGGAAGTGGGGTACACGGATCGGCCACCAAGAGCTGGTGTGGAGGCTGTGGATCTTCTCTGT
GCACTGAATTATGGCCTTAAAAGTATACTATGAAGAAGTGGTCTGAAAAGTGGGGCATCTTCCACACA
ACTTGCAGAAATACATCAGTAGCCGCCGGAAGAGTCCAGCCTACGATGGGAATACGTCCCGTAAGCCCC
CAACGAGTTCCTGACTTCTGTGGTGAAGTCAATGGTGTGCCAAGGCCCTGCTGGCTTGGCTGGACCGG
GCTCCATTCACAGGGATCACAGATCTCTGTGACAAAGAACAATCATCCAAGTGTGCCTGGACCTGA
CCACAGCAGTCCAGAAGGATTGCCTCATAGCAGAAATGGAGGATAAAGTTTTAAATGTGGTCAAGTTTT
AAATGGCATCTGTGACAAAACAATGCGCTCTACTACAGACCCTGTTATGAGCCAGTGTGCCTGCCTGGAG
GAAGTTCACTTACCAATGTTAGACCCGGGAAGGCCCTGGGCATGTACATCAAGTCAACCTACGACGGAC
TGATGTGATTACTGGAACACAGAAAATTCCTCTGCAGACAGATCTCAAAGATTACAGCTGGCGATGA
GGTCATTCAAGTCAATCGGCAGACAGTGGTGGGTGGCAGTTGAAAAATCTGGTGAGAAAGTTGAGAGAG
AACCCACGGGCGTGGTGTCTGCTGAAGAAGAGGCCACGGGCTCCTCAGCTTCACTCCGGCCCCAC
TGAAGAACCTGCGGTGGAAGCCACCGCTCGTGCAGACCTACCCCGCCACCACCACCCAGTCCCCAGA
GAGTACCATGGATGCCTCCCTGAAGAAGGAGAAGCCAGCCATCCTGGATCTATACATCCCTCCCCACCT
GCTGTCCCCTACTCTCCCAGGATGAGAATGTGAGTTTCGGCTACAGAGGACACAGTAAGAGTAAGCAGC
CGTTGCCCTGTGCGCAAGGGTCCGAGTCCCTAACTCCTTCTGGACCAGGAGAGCCAAAGACGCAGATT
TACCATTGCAGATCCGATCAGCTGCCCGGGTATTCGGTGGAAACCAATGTTCTGCCACAAAAATGAGA
GGGAAGACACCATCCTACGGCAAACCCGGCCTGTCCATGCCTGCCGATGGAACTGGATGGGGATCG
TGGACCCTTTTGCTAAACCTCGAGGAAATGGGAGGAAAGGGGAAGATGCCCTCTGCCGTTACTTCAGCAA
TGAGCGGATCACACCCATCACTGAAGAAAGTGCCTCTCCTATGTACCGGTTCTCTAGACCCTGACTGAG
CGGCACCTGGTCCGAGGTGCGGACTACATCCGAGGGAGCAGGTGCTACATCAACTCCGACCTACACAGCA
GTGCCACCATTCCATTCCAGGAGGAAGTTCCAAGAAGAATCAGCCTCCTCATCGGCCAAGGCGTCTCT
TGGGGAGCCGTCGCTGCTGGTCACTGGCTGACTCGCCTCAAGCTGTTGACTCAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_172546

Insert Size: 1668 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_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]