

Product datasheet for **RN208491**

Cnksr3 (NM_001012061) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cnksr3 (NM_001012061) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cnksr3
Synonyms:	Magi1; Prp4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >RN208491 representing NM_001012061
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCCCGTGACCAAGTGGAGCCCCAAACAAGTGGTGGACTGGACTAGAGGGTTGGATGACTGCCTGC
 AGCCGTACGTCCACAAGTTTGGAGCGGGAGAAGATAGATGGGGAGCAGTTGCTAAAGATCTCCACCAGGA
 TCTCGAGGAAGTGGGGTACGCGGATCGGACCAAGAGCTGGTGTGGAGGCTGTGGACCTTCTCTGC
 GCACTGAATTATGGCCTTGAAGTATAACATGAAGAAGTGGTCTGAAGCTGCGGGCATCCTCCATA
 ATCTGCAGAATTACATAAGTAGCCGGGGAAGAGCCAGCCTACGATGGGAACACGTCCCGCAAGCCCC
 CAATGAGTTCCTGACTTCTGTGGTAGAGCTCATTGGTGTGCCAAGGCCCTGCTGGCTTGGCTGGATCGG
 GCTCCATTCACAGGGATCAGGATCTGTCGGTAACAAAGAACAAAATCATCCAAGTGTGCCTGGACCTGA
 CCACAGCAGTCCAGAAGGATTGCCTCGTAGCAGAAATGGAGGATAAAGTTTTAAATGTGGTCAAGGTCTT
 GAATGGCATCTGTGACAAAATGATGCACCTACTACGGACCCTGTGATGAGCCAGTGCAGTGCCTGGAG
 GAAGTTCACTTACCGAATGTTAGACCCGGGGAAGGCCCTGGGCATGTACATCAAGTCAACCTATGATGGAC
 TGCATGTGATTACTGGAACACAGAAAATTCTCCTGCAGACAGATCTCAAAGATTTCATGCTGGTACGA
 GGTCAATCAAGTCAATCGGCAACAGTGGTGGGTCAGTGAAGAATCTGGTGAAGAAGTTGAGAGAG
 AATCCACAGGCGTGGTGTCTGCTGAAGAAGAGGCCACGGGCTCATTAGCTTCACTCCAGCCCCGC
 TGAAGAACCTGAGGTGGAAGCCACCCCTCGTGCAGACCTACCCCGCCACCACAACCCAGTCCCAGA
 GAGCACCATGGATGCCTCCCTGAAGAAGGAGAAGCCAGCCATCCTGGACCTATACATTCTCCCCACCT
 GCTGTTCCCTACTCTCCCGGGATGAGAACGTGAGTTTCAGCTATAGAGGACACACTAAGAGTAAACAGC
 CACTGCTGGGCGCAAGGTTCCGAGTCCCTAACTCCTTCTGGACCAGGAGAGCCAGACGCAGATT
 CACCATCACAGACTCCGATCAGCTACCCGGTACTCGGTGGGGACCAATATTCTGCCATAAAAAATGAGA
 GGAAGACGCGCTCCTATGGCAAACCCCGCCTGTCCATGCCTGCAGATGGAACTGGATGGGGATTG
 TGGACCTTTTGCTAAACCTCGAGGTCATGGGAGGAAAGGGGAAGACGCCCTGTGCCGACTTTCAGCAA
 TGAGCGCATTACCCCATCATTGAAGAAAGTGCCTCTCCCGTGTACCGGTTCTCCAGACCCTGACTGAG
 CGGCATCTGGTTCGAGGTGCGGACTACATCCGAGGGAGCAGGTGCTATATCAACTCTGATCTACACAGCA
 GCGCCACCATTCCATTCCAGGAGGAAGGGCCCAAGAAGAAGTCCGCTCCTCATCGGCCAAGGCGTCTTC
 TGGGGAGCCGTCGCTGTTGGTCACTGGCTGACTCGCCTCAAGCTGTTGACTC**ACTGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001012061

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_001012061.1](#), [NP_001012061.1](#)

RefSeq Size: 3350 bp

RefSeq ORF: 1668 bp

Locus ID: 308113

UniProt ID: [Q5SGD7](#)

Cytogenetics: 1q11

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]