

Product datasheet for **SC108349**

CNKSR3 (NM_173515) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CNKSR3 (NM_173515) Human Untagged Clone
Tag:	Tag Free
Symbol:	CNKSR3
Synonyms:	CNK3; CNK3/IPCEF1; MAGI1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC108349 sequence for NM_173515 edited (data generated by NextGen Sequencing)

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ATGGAACCCGTGACCAAGTGGAGCCCCAAACAAGTGGTGGACTGGACTAGAGGGTTGGAT
GACTGCCTGCAACAATATGTCCACAAGTTTGAACGAGAGAAGATCAACGGCGAGCAGCTG
CTGCAGATTTCCCATCAGGACCTGGAGGAGCTGGGGTACACGGATCGGACACCAGGAG
CTTATGTTGGAGGCTGTGGACCTTCTGTGCACTGAATTATGGCCTCGAACTGATAAT
ATGAAGAACTTGGTTCTGAAACTGAGAGCATCTCCACAATTTACAGAATTACATAAGT
AGCCGACGGAAAAGTCCCGCTTACGATGGCAACACCTCCCGCAAGGCCCAATGAGTTC
CTGACCTCGGTGGTGGAGCTCATCGGCGCCGCAAGGCCCTGCTGGCGTGGCTGGACCGG
GCTCCGTTTACAGGGATCACTGATTTCTCAGTCACGAAGAACAAAATTATCCAGCTTTGC
TTGGACCTGACCACTACAGTCCAGAAGGATTGCTTTGTAGCGGAAATGGAGGATAAAGTT
TTAACTGTGGTCAAGGTTTTAAATGGCATCTGTGACAAAACAATCCGATCTACCACAGAT
CCTGTGATGAGCCAGTGTGCATGTCTGGAGGAAGTTCACCTACCAACATTAACCTGGG
GAAGGCCCTGGGCATGTACATCAATCAACCTATGATGGGTTACACGTGATTACTGGAACC
ACAGAAAATTCTCTGCAGACAGATCTCAGAAGATTCATGCTGGTGACGAAGTCATTCAA
GTTAATCAGCAAACTGTGGTGGGATGGCAGCTGAAAAATCTGGTGAAGAAATTGAGAGAG
AATCCCAACCGAGTTGTGTTACTGCTTAAGAAGCGCCCCACCGGGTCTTTCAACTTACT
CCTGCTCCCTGAAAAACCTACGGTGAAGCCACCTCTTGTACAGACCTCACCTCCACCC
GCGACAACCCAGTCCCCTGAAAGCACTATGGATACCTCACTGAAGAAGGAGAAGTCAGCC
ATCCTGGATCTTTATATTCCTCTCCGCTGCTGTTCCCTACTCTCCCGGGATGAGAAT
GGCAGTTTTGTTTATGGAGGGTCCAGTAAGTGCAACAACCAATTGCCTGGTCCTAAGGGT
TCAGAGTCCCCGAATTCCTTCTTGACCAGGAAAGCCGGAGACGAAGATTCACCAATTGCA
GACTCGGATCAGTTGCCGTTGACTCGGTGGAAACCAACATTCTGCCCAAAAAATGAGA
GAGAAAACACCATCTTATGGCAAGCCACGGCCTTTGTCCATGCCTGCTGATGGGAAGTGG
ATGGGGATTGTGGACCCTTTTGCCAGACCTCGAGGTCATGGCAGGAAAGGGGAGGATGCC
CTTTGCCGGTATTTAGTAACGAGCGGATTCTCCGATCATTGAAGAGAGCTCCTCTCCC
CCATACCGGTTCTCCAGACCCACGACCGAGCGGCATCTGGTCCGGGGTCCGGACTACATC
CGAGGAAGCAGGTGCTACATCAACTCAGATCTCCACAGCAGCGCCACGATTCCATTCCAG
GAGGAAGGGACCAAAAAGAAATCTGGCTCCTCAGCTACGAAGTCTCGTCCACAGAACC
TCCCTCCTGGTCACTGGTTTACGCGCCTCAAACCTGTTGACTCACTGA
    
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Clone variation with respect to NM_173515.2
 168 t=>c;184 g=>a;240 c=>t

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_173515 unedited
TTTGTAAACGACTTACTATAGGGCGCCGCAATTCGGCACGAGGCCGGAGCTGAAACT
TTGCAACCCGAGCGCGCACGCTCTGCGCTCGGCCCTGCCAGGGCGGCACGGAGGGCGGC
GCAGGAGGTGGGACCTGCGCCGGGAAGGCTCCGGGACGCCAGCGCACGCGGAGCGGGGAC
CCCGGAGAGCCAGCAGGGCAGAGAAGACCGGCCGAGGGAGAGCCGATCGCGCCTCGAGAGAT
CCGAGGAAGTGGTTCGCGGGCCGGGAGGCTCCCCTGCCAGCCGAGGCCAGGGGTCTGGGG
TCGACGCCCGGCTGCCTGCAGCTGCCGTCGCTCGGGAGCAGCAGCTGTGCCCGGGATCC
CGGCGGCGGGGGGAAGGAGGAGCTGCAGCTGGACTGTGGCAGCTGGAGGGAGAGGGCC
GGGCTCCCCTGGCGGAGCCGCGCTGGGACGACTGGCTGACCGGCCATGCAGTCTTGAC
GGAGTCGCTCGGGCAGGGGAGCAGCCGCGGGCGGCCCTCCCGGAAGGGGACCCGGA
GCGCAGGCAGCAGCACTTATCTGCGACTCTCCAGCCCAGCGAGGGCGAAGCGGTTTAC
CATGGAACCCGTAACCAAGTGGAGCCCCAAACAAGTGGTGGACTGGACTAGAGGGTTGGA
TGACTGCCTGCAACAATATGTCCACAAGTTTGAACGAGAGAAGATCAACGGCGAGCAGCT
GCTGCAGATTTCCCATCAGGACCTGGAGGAGCTGGGGTACACGGATCGGACCCAGGAG
CTTATGTGGNAGGCTGTGGACCTCTGTGCACTGAATATGGCCTCGAACTGATATATGAA
GAACTGTNTCTGAACTGANAGCTCTCCCAACATTACAGATTACATAGTAGCCGACGGAA
AGCCCGCTACGATGCACACCTCCGACGGCCCN
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_173515 unedited CTATGGCACCCGCGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTTTTGGAAAC AACATCTTGCTCTGTCGCCTAAGCTGGAGTGTAGTGGCGCGATCTTTGCTCACTGCACAC TCTGTCTCCGGGTTACGCCATTATACTGACTAACCCCTACTGACTTTCTGGAACACCT GATCCTACCAGAAATTCAGGTACAATGATGGCTCTTAGATATAGACTGAGATCCAACCT GGGTACCCTTTTGAGGAAGTGTACCCTCCGCGCTGGATCACACACTGAACCCGTCAA ATGCTGACTCTTGATCTTTAATCAACCTAAATCTTGTTGCTTCACTTTTCTAAATGATA CTTTGGCTGTAGCGAATCTTATACCTTCTTTCCCTTATAGACAATAATTTATAACAGC TCCACCCACACAATAACCATAAACTTCTTTGTGTGAAATAAGCCCTATCAAAATGTGT TCATGATTTCTGTACCAACTGATCTATACTGAGACTGTCATGAAAAAGGTATCAAACAA GTGTAACAGGCCTACACTTAAACCTCTGCCTCAAAGGAGAAATCAGATACTTGCCACGTT ATTGCAAAGTCAAAGCTGCTACACTTAAAATATGGTAGTTTAGAAAAATCAAATCAAAA TGTCTTCACTGGCTTTTTCAGATAAAGAAGTTGGACCACAAACCAACACATCTGTGTG AAAACAGCCACCAATTTGAGTCCCCCAGCCCCTAAAAAGGAACAATGCCACCAGTCCC TCACAATGACCATAACGTCTCTGGCCAGGACTGCGATTTCTAGCGCGTGTCTTCACATTC TATCTCTGGGAAAGCAAGACAACAAGCTTACCCATTTCTCCTTTTNGTCTCCCAGGCA GCACCTAAGATCCTCTGAATTGTTCCATTATCCTGCAACTTCAAGAAGGGCAGTGATAC TTTTCAAGAAAAGAAA
Restriction Sites:	NotI-NotI
ACCN:	NM_173515
Insert Size:	3500 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:	<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:	<u>NM_173515.2</u> , <u>NP_775786.2</u>
RefSeq Size:	3277 bp
RefSeq ORF:	1668 bp
Locus ID:	154043
UniProt ID:	<u>Q6P9H4</u>
Cytogenetics:	6q25.2
Protein Families:	Druggable Genome

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]