

Product datasheet for MC224188

Cgnl1 (NM_026599) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cgnl1 (NM_026599) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cgnl1
Synonyms:	4933421H10Rik; 9930020M10Rik; AI503810; Ja; Jacop
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224188 representing NM_026599 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCTGTATTTGGCGAATACCAACACGTACAGCAGGAGTACGGGTACACCTGAGACTTGCCAGTG
GTGACACTCCAAAGCCAAGGAATCCCAGCCCTCAAAGGCAGGCTCCTATGGTGCAGCATCAGGGTCCA
GGGAATTGATGGCCACCCTTATATAGTCTGAATAACACTGAGCGGTGTCTAGCAGGCACACCTTTCCCA
GAAAACGCGCCATCGTTTCCATCTTCAGTGATAAATAACCTGTCCCTACATCCAAGCAATGGAACCGTGT
TGAAGGAGAACACTCCGGAGGAACTGCAGCTTCCAGAAAACCCGTACCTGCAAACACGCCGCTAAGAGG
CCAGAAGCAGTTCTCCCTCCACGAGGGCAGGAATGGAGTTCTAGAACGCAAAGACGGGCCACGAAGCTG
CCCCATGTGCTCAACTCCAGAGGCACCCGGAGCTTCTGCAGCCCTATGACCCAGAAAAGAATGAGGTGA
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TGTGCGTGAACGTTGAGAGTGCAGGAGGGGGTGGGAGAGGAGACCTTTCCCTCGACGGAATC
CCCAACTGCCCCAGCCACAGGCTATTCTGAAACCAAGAAAAACAGGCCAGATGTGCTACCCCTCCGG
CGACAAGATCCGAGGACCCATCCTGGATGGAGCTCGGTACGCAGGTCTCTTCGTCATCCACGACTC
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GTGCCAAGAAAATTTTCAGTGAAGACATTTCTTCCGACTCCAGCACTCAGGCCACACCAGATCTCTTAAA
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 GAAGGAGGCACAGACAATGAGGATGCCACAAAAGGAAAGTGAACCTGGTCTTTGAGAAAATCCAGACTT
 TGAAGTCCAGAGCAGCAGGGAGTGCCCAAGGAAGCAATCAAGCTCCGAATTTCCCTCTGAAGGCAACAG
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 AAGAACCAACAGAACATCAAGGAGGAGCGAGAAGAATGAGAGAGGATTTAGAAGAGCTGCGAGTCCGGC
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 GAGCTTGGGAAATGCAGACACAACCTGAAGGAGAAATGCCTGGAAGTGGAAAAGGCCAGACTGGCAGCCT
 CGAAGATGCAGGATGAGTTACGCCTCAAGGAGGAAGAGTTGCAGGACTACCAGCGAGCTGAGGAGGAGGC
 GCTCACAAAACGGCAGCTTCTGGAGCAGTCGCTGAAGGACCTGGAGTATGAGCTGGAGGCCAAGAGCCAC
 CTAAGGATGACCGCAGCCGACTCATCAAGCAGATGGAGGACAAGGTGTCCCAATTGGAGATTGAATTGG
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 TGGTGCAGATGGAGGCCAGGATTGCAGAGCTGGAGGACCGGCTGGAGAATGAGGAGAGGGATCGGGCCAA
 CCTGCAGCTCAGCAACCGAAGGCTGGAGCGAAGGTGAAGGAGCTGGTATGCAGGTGGATGATGAGCAT
 CTGTCAGTACCGACCAGAAGGACCAGCTGAGCTTGCCTGAAAGCCATGAAGGCCAGGTGGAGGAGG
 CTGAAGAGGAGATCGACCGACTGGAAGTTCTAAGAAGAAGCTGCAGAGGAGCTGGAGGAGCAGATGGG
 GGTGAATGAGCAGCTGCAGGGGACGCTCAACTCTCTGAAGAAGGGCTTAAGGCTTAAGACTGTCTAGT
 AAAGTACTGGACGACTCGGACGACGACCTCAGCAGTATGCGGGAAGCCTCTACGAAGCCCCACTGA
 GCTATGCCTTTCCAAAGACAGCACTATCGCCAGCCAGATCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_026599
- Insert Size:** 3894 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_026599.5](#), [NP_080875.3](#)

RefSeq Size: 6781 bp

RefSeq ORF: 3894 bp

Locus ID: 68178

UniProt ID: [Q6AW69](#)

Cytogenetics: 9 D

Gene Summary: This gene encodes a protein localized to the tight junctions and adherens junctions in vertebrate epithelial cells. The encoded protein regulates the activity of Rho family GTPases during junction assembly and at confluence. At the adherens junctions, the encoded protein is part of a protein complex that links E-cadherin to the microtubule cytoskeleton. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jan 2015]
Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein.