

Product datasheet for **MC221167**

Cttnal1 (NM_018761) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cttnal1 (NM_018761) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cttnal1
Synonyms:	ACRP; AI616177; AW545119; C86009; Catnal1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221167 representing NM_018761
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCGCTTCTCCAGTCCCGGGCGGTGGCGGTGCGGGAGCTGTCCACTCCTCCAACCGCGTGGCTTCA
 CCTTCGACTCGGGACTGGAGATCAGGACGCGCTCGGTGGAACAGACTCTTCTGCCCTGGTTTCTCAGAT
 CACCACACTTATAAACCATAAAGATAATACCAAAAAGTCTGATAAAACCTGCAAGCGATTACAGCGTGTG
 GGACAAGCGGTCAACTTGGCAGTTGGAAGATTTGTAAAGTAGGGGAAGCTATAGCCAACGAAAAGTGGG
 ATTTGAAAGAAGAAATTAACATCGCTGCATCGAAGCCAAGCAAGCAGGTGAAACAATCGCTCACTCAC
 AGATGTGACTAAACGGAGCCATTTGGAATCAGATGGTCAGGTACGATTCTGACAGACAAAACAGGCGTC
 GTGCAGGCCGCCGGCTGCTGCTCCTCAGTGACAAAAGTGTGCTGCTGGCAGATCGTGTAGTCATCA
 AGCAGATAGTGACATCGAGAAAACAGATTCTCGCAACCATGGAAGGCTAGAGAAAAGTAAACAGCTTTCA
 GGAATTTGTTTTCAGATATTCAGCCAGTTTGGAAACGAAATGGTGGAGTTTGCACATCTAACGGGAGCCGA
 CAAAATGATTTGAAAGATGAGAAGAAAAAGGCCAGAAATGGCTGTGGCGAGGGCTGTGCTTAAAAAGGTA
 CGATGATGCTCCTTACAGCCTCAAAGACATGTCTCAGGCATCCCAGCTGTGAGTCAGCCACACAAAACAA
 AGAAGGAGTGTGGACCGGATGAGAGTGGCCCTGGAGAAGGTACCGGAGATCGTACTGACTGCAGACTC
 AGCGGAGAGACCGACAGCTCATCTGTCAGCATTCTTACTGGGATTAAGAGTTGAAGGTGAATTTGAAG
 CTCTTCGGGAGAAATGTTTGTCTTGTAGTCCAAAGAGAACCTTTCTGCCGATTGGAGGCCGCTTGGAGCA
 TGTGGAGGACTTCACTGATTCTGCCTACACCAGCCACGAGCACAGGGAACGGATCTTGGAGCTGTCTTCT
 CAGGCCAGGACAGAGCTGCAGCAGCTCCTTTCCGTGGATGCAAACCCAAAGCAGGAAGACAAAGAGCG
 CCGCCGAGGAGCTGGAAGTACAGTTCTGAAGATCAGCCACAGCCTGGACGAGCTGAGGAGAGAAGTCCA
 TTGTACAGCCATGCAGCTGGCAGCCGACCTGTTAAAATTCATGCTGATCATGTGGTTTTAAAAGCATTAA
 AAGTTACTGGAGTAGAAGGAAATTTGGAAGCTTTGGCTGAGTATGCCTGTAAACTCTCTGAGCAGAAAG
 AACAGCTTGTGGAGACATGTCGATTGTTGCGGCATATATCCGGCACAGAACCCTTGAGATAACGTGCAT
 ACATGCAGAGGAGACATTCAGGTGACTGGCCAACAGATCATTCTGCTGCTGAAACGTTGACGTTGCAT
 CCGTCTAGCAAAATCGCTAAGGAAAACCTGGATGTGTTTTGTGAAGCTTGGGAGTCTCAGATGAGTGACA
 TGGCGACGCTGCTAAGGGAATCAGTGATGTGTTGAAGGAAGACGAGGAGAGAGGTGCGACCATCTTTC
 ACTTCAAAGCCACGAAGAATAGTGCAAACCTGAAGTCACTAAAGCCGACAAAACCTGACTCGGAGGAG
 CAAGCCAAGATAGCAAAGCTCGGGCTGAAGCTGGGATTGCTCCTCTGATGCTGACTGTGAAATCGAGA
 AATGGGAAGATGAAGAGAACGAGATCGTTCGGCATGGACGCAATATGTCCAGGATGGCCTATTCTCTGTA
 TTTATTTACTAGAGGAGAGGGGCCACTGAAAACCTCCAGGACTTAATCACTTCTAGAGGTTTTTGTCT
 GCAGAGGGATTAAGCTTACTTCAAGTGTACAGTCATTTTCAAACAGCTAAAAGATGATGACAACTTA
 TGCTTCTCCTGGAAATAAACAACTTATTCCTCTATGCCACCAGCTTACAGACAATAACTAAGACATCTTT
 GCAGAGTAAAGTCTTCTAAAGTTGACAAGTGTATTACAAAGATAAGATCCATGATGACTCTTGTGGTC
 CAGCTCCTCTCACTTTGCTATAAACTACTGAAGAAGATGGAAAATAACAGATGGGGCTCTGCGACGAACA
 AAGATACCATGGATGGTCAAACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_018761
Insert Size: 2196 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_018761.3</u> , <u>NP_061231.3</u>
RefSeq Size:	3712 bp
RefSeq ORF:	2196 bp
Locus ID:	54366
UniProt ID:	<u>O88327</u>
Cytogenetics:	4 B3
Gene Summary:	May modulate the Rho pathway signaling by providing a scaffold for the Lbc Rho guanine nucleotide exchange factor (ARHGEF1).[UniProtKB/Swiss-Prot Function]