

Product datasheet for **MC227915**

Cntrl (NM_001290635) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cntrl (NM_001290635) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cntrl
Synonyms:	6720467O09Rik; AA968343; b2b1468.1Clo; b2b1468Clo; Cep1; Cep110; IB3/5; Ma2a8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC227915 representing NM_001290635
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGAAAGCCAGAGAGGGGCAAAGAACAGCAGCTTGACATTATGAACAGACAGTACACACAGCTCGAAA
 GCCGCCTGGACGAGATACTTTGTAGAATTGCCAAAGAGACTGAAGAGATCAAGGACCTTGAACAGCAGCT
 TACAGATGGCCAGATAGCAGCAAACGAAGCTCTGAAGAAGGATTTAGAAGGTGTCATCAGTGGGTTGCAA
 GAGTACCTTGAACCATCAAAGGCCAGGCAACTCAGGCCAGAATGAGTGCAGGAAGCTACAGGATGAGA
 AAGAGACATTGCTGCAGAGACTGACAGAAGTCCAGCAGGAGAAGGAGGAAGTGAAGTATTGCCATGGA
 TGCAGAAAATATGAGGAAGGAGCTTGCAGAGCTAGAAAGTGCCTCCAGGAACAGCATGAGGTGAATGCA
 TCCCTACAGCAAGCCAGGGAGATCTCAGCGCTATGAACTGAGCTAGAGACTCAGTTAAACTAAAAG
 ACGCTGAAACAGCCAGCTCAAGCAAGAGTTGAAAACTCCTAAGGCGTACTCAGTTAGAGCAATCGGT
 GCTTCAAACAGAACTGGAGAAGGAGAGAGAATCCCTCAGGGATGCCCTGGGCAAAGCCAGTCTCAGAA
 GAGAAACAACAGGAGAACAACGAGCTCCGTACACAGCTGAAGCAGCTGCAGGATGACAACAGCCTGTAA
 AGAAGCAGCTGAAAGAGTTTCAGAAATCACCTTAACCATGTGGTTGATGGTCTGATTACCCAGAGGAAGT
 AGCAGCTCGTGTAGACGAGCTAAGGAAAAGTTGAACTAGGAGCTGGGAAATGAGAATCCATAGTCTCT
 TCAGATGTCTTAGGAAAAGTCTTGCTGACCTACAGAAACAGTTCAGTGAAATCCTTGACGATCCAGT
 GGGAAAAGAGGAAGCCCAAGTTAGAGAGAGGAAGCTCCATGAAGAAATGGCTCTCCAGCAAGAGAACT
 GGCGAATGGTCAAGAGGAGTTCAAGCAGGCTGCGAAAGAGCACTGAAGCCAGAATTAAGTTTGATAAA
 AGACAACATAATGCAAGAATCCAGCAATTAGAAAATGAAATCACTATTTGCAAGAGAACCTAAAAAGTA
 TGGAAAAATCCAAGGCCTTACAGACCTTCAGCTTCAGGAAGCAGATGAAGAGAAGGAAAGAAATCTGGC
 CCAACTCCAGGAGTTAGAGAAAAAGAAGCGTGAAGATGCCAGATCTCAGGAACAGTTTCTTGTTTAGAT
 GAAGAACTGAAGAGTCTGAAGAAAGCGGTGGCTGCTTCTGATAAATTAGCTGCGGCTGAGCTCACCATTG
 CCAAAGACCAGCTCAAGTCCCTGCACGGAAGTGTGTGAGAATTAATCAGGAGCGAGCAGAGGTCCGTAC
 CCAAGTCAGTCAGGATGTGCTCATCAGCACTGTCTCAGAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_001290635

Insert Size: 1443 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001290635.1, NP_001277564.1</u>
RefSeq Size:	1854 bp
RefSeq ORF:	1443 bp
Locus ID:	26920
Cytogenetics:	2 B
Gene Summary:	Involved in cell cycle progression and cytokinesis. During the late steps of cytokinesis, anchors exocyst and SNARE complexes at the midbody, thereby allowing secretory vesicle-mediated abscission (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (3) lacks several 5' and 3' exons but contains alternate 5' and 3' terminal exons, and it thus differs in both UTRs, initiates translation at a downstream in-frame start codon, and differs in the 3' coding region, compared to variant 1. The encoded isoform (3) is shorter at the N-terminus and has a distinct and shorter C-terminus, compared to isoform 1.