

Product datasheet for **MC219942**

Gramd4 (NM_172611) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gramd4 (NM_172611) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gramd4
Synonyms:	9930016O13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC219942 representing NM_172611
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCATTGCTTCTCACTCTGCATTAGAGAGAGAGAGCTCACCTACAGGAGCTCTCTGGATGCCA
 GCCCAGACCCTGGGACAAAGGCCTGTCTGGAAGGGAGCCTCCCGTCATGTCCAGGTGAGGCCGAGGAG
 TGCCGTGCTGAACATGCTCAGGAGGCTGGATAGGATCAGGTTAGAGGACACAAGAGAGAGGACCTCCTT
 GATCTAGCCGAGTCCCCAAATGCCTCGGACACCGAGTGCAGGAGACGAGATCCCCCTGAAGACGCCACGGC
 CCTCGCCCCGGGACAGTGAAGGAGCTCAGGGACCCTGCTGGTCCAGGGACCCTCATCATGGCGGCAGGCGT
 GCAGGACTTCAACAGGACAGAGTTTCGATCGACTGAACGAGATCAAGGGCCATCTGGAAATCGCCTTACTG
 GAAAAGCACTTTCTTTCAGGAGGAGCTCCGGAAGCTTCGAGAAGAGACCAACTCAGAGATGCTGCGGCAGG
 AGCTGGATCGGGAGCGGCAGCGCCGGATCGAAGTGAACAGAAAATGCAGGAGGTGCTAAAGGCCAGGTC
 CGAGGAGCAGCCAGCACAGCCTCAGCAGCCACCAAGGGACAGAGCCAGGCCAGCAATGGCACAGGCACA
 GAGCGCCGAGCCAGGGCTTGGCCTCCCGTGTACAGAAGTGGTTCTATGAGAGGTTTGGGGAATACATCG
 AGGACTTCCGCTTCCAACCAGAGGAGAACAACAGTAGAGACGGAGGAGCCCTCAGCGCCCGAGGTTAAC
 TGAAAACATGAGAAGACTGAAGCGCGGTGCCAAGCCTGTCACTAACTTCGTGAAGAACCTGTCTGCCTTA
 TCTGACTGGTACTCCATCTACACCTCCGCCATCGCCTTACGGTATACATGAATGCTGTGTGGCAGCGCT
 GGGCCATCCCCATGTTCCCTGTTCTAGCAATCTGAGGTTGTCCCTCAATTACCTCATCGCCAGGGGCTG
 GCGGATACAATGGAGCATTGTGCCGGAAGTGTCTGAAGCTGTGGAACCCGCAAAGGAAGATCTGACCGTG
 TCTGAGAAGTCCAGCTGGTGTGGATGTGGCCAGAAAGCACAGAATCTCTTCGCAAGATGGCCGACA
 TCCTGGAAGATCAAGAACTTGTTCATGTGGGTGCAACCTGAGACCACGAGAAGCTCTATGTTGCCCT
 GTGGCCGCTTTCTGGCTTCTTGGCTTCTCCCTACCGCTGGTGGGGCTTGTGTTGGCCTCTATGCC
 GGCATCAAGTTTTTCTTAATTGACTTTCATCTTCAAACGCTGCCCAAGACTTCGAGCCAAGTATGACACCC
 CCTATATCATCTGGAGGAGCCTGCCACTGACCCTCAGCTCAAAGAGCGTGTGGTACCACCGTGTACAG
 CAGGCTGCAGACAGCCTCATCACGGAGTACGTCTCCAGTGTCCAGTGGTCTGAGTAAGGACGAAGAT
 GCTGGACGCTTTCACAGCACCAAGAAGGGGAATTCCACGAAATCTTCAACTTGACTGAAAACGAGCGCC
 CGTAGCAGTGTGCGAGAATGGCTGGCGTGTGCTCATTAAACCGAGACCGGAAGATGCCACGGACTA
 CATCAGGAACGGGTTCTGTATGTGACAGAGAATTACCTGTGCTTCGAGAGCTCCAAGTCTGGGTATCA
 AAGAGGAACAAGGTGATCAAACCTGATGGACATCACAGACATCCAGAAGTATAAAGTCTTGTCTGTCTCC
 CTGGCTCAGGCATGGGAATTGCTGTTTCTACACCATCAACCCAGAAACCCCTGGTGTTCGGTGCCATGGT
 GCACAGAGATGAAGCCTTTGAGACCATTTTCAGCCAGTATGTGAAAATCACGTCTGCAGCGGCCTCTGGC
 GGTGACAGCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_172611
- Insert Size:** 1902 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_172611.4](#), [NP_766199.1](#)

RefSeq Size: 4117 bp

RefSeq ORF: 1902 bp

Locus ID: 223752

UniProt ID: [Q8CB44](#)

Cytogenetics: 15 E2

Gene Summary: Plays a role as a mediator of E2F1-induced apoptosis in the absence of p53/TP53 (By similarity). Inhibits TLR9 response to nucleic acids and regulates TLR9-mediated innate immune response (PubMed:25917084).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the shorter transcript and encodes the shorter isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.