

Product datasheet for **MC205261**

Drg2 (NM_021354) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Drg2 (NM_021354) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Drg2
Synonyms:	AI255295; AI461605; DRG-2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC082564

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CTCCGCCGAAGCTGCAACTATGGGGATCTTGGAGAAAATCTCGGAGATCGAGAAGGAGATCGCTCGAACG
CAGAAGAACCAAGGCCACCGAGTACCACCTGGGCCTGCTGAAAGCAAACTGGCCAAGTATCGGGCCACAG
TCTTGGAACCATCCAATCCGCCTCATCCAAGGAGAGGGCTTTGATGTCATGAAGTCAGGTGATGCCCG
TGTGGCACTGATTGGCTTTCCCTCTGTGGTAAGTCCACCTTCTTGAGTCTGATGACCTCTACAGCCAGC
GAAGCTGCGTCTATGAGTTTACCACCTGACGTGCATCCCTGGGGTATTGAATACAAAGGTGCCAACA
TCCAGCTCTTGGACCTTCTGGAATCATTGAAGGAGCAGCACAAGGCCGAGGCCGTGGCCGGCAGGTGAT
TGCCGTAGCACGCACAGCTGATGTCGTCGTCATGATGCTGGATGCCACCAAGGGAGATGTGCAGAGGTCC
CTGCTGGAGAAGGAGCTGGAGTCTGTGGGTATTCGCCTGAACAAGCATAAGCCCAACATCTATTTCAAGC
CCAAGAAAGGTGGTGGCATCTCCTTTAACTCAACAGTCACACTGACACAATGCTCTGAGAAGCTGGTGCA
GCTCATCTACATGAATACAAGATCTTCAACGCCGAGGTACTCTCCGAGAAGACTGCTCTCCAGACGAC
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GAACCTCGACTACCTGCTGGAGATGCTGTGGGAGTACCTGGCCCTCACCTGCATTTACACCAAGAAGAGA
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CCAGACCTAAGCTGACCTGGCTCAAGTAGGGTCCCTGAGGCTCCTGAGAACAACCTAGCACATAGTGG
CCTCAGGATGAAGCCTCCACAGGTCTCCCAACACAGGGCTGTCCCTCATGGAAGCCAGGGCCAGCCA
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GAGTCTGGCTCCATTTCTTCTAAGCTCCTATGTCTGCCCTCCTTCTGAAATAAAATTAACAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

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Restriction Sites:	Ascl-NotI
ACCN:	NM_021354
Insert Size:	1095 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	BC082564 , AAH82564
RefSeq Size:	1734 bp
RefSeq ORF:	1095 bp
Locus ID:	13495
UniProt ID:	Q9QXB9
Cytogenetics:	11 37.81 cM
Gene Summary:	Catalyzes the conversion of GTP to GDP through hydrolysis of the gamma-phosphate bond in GTP. When hydroxylated at C-3 of 'Lys-21' by JMJD7, may bind to RNA and play a role in translation.[UniProtKB/Swiss-Prot Function]