

Product datasheet for SC119257

DRG2 (NM_001388) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DRG2 (NM_001388) Human Untagged Clone
Tag:	Tag Free
Symbol:	DRG2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC119257 sequence for NM_001388 edited (data generated by NextGen Sequencing)

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ATGGGGATCTTAGAGAAGATCTCGGAGATCGAGAAGGAGATCGCTCGGACACAGAAGAAC
AAGGCCACTGAGTATCATCTGGGCCTGCTGAAAGCTAAGCTCGCCAAGTATCGGGCCAG
CTCCTGGAACCGTCCAAATCGGCCTCATCCAAAGGAGAGGGCTTTGATGTCATGAAGTCG
GGTGATGCCCGTGTGGCCTGATTGGATTTCCCTCTGTGGGTAAGTCCACATTCTTGAGT
CTGATGACCTCCACGGCCAGCGAGGCAGCGTCCTATGAGTTACCACCTCTGACGTGTATT
CCTGGGGTCATTGAATACAAAGGTGCCAACATCCAGCTCCTGGACCTTCTGGAATCATT
GAAGGCGCAGCCCAAGGAAAAGGCCGTGGCCGGCAGGTGATCGCTGTGGCGGCACGGCT
GACGTCATCATCATGATGCTGGATGCCACCAAGGAGAGGTGCAGAGGTCTCTGCTGGAG
AAGGAGCTGGAGTCTGTGGGCATCCGCCTCAACAAGCACAAGCCTAACATCTACTTCAAG
CCCAAGAAAAGGTGGTGGCATCTCCTTTAACTCGACAGTCACGCTGACCCAGTGCTCGGAA
AAGCTGGTGCAGCTCATCCTGCACGAATACAAGATCTTCAATGCAGAAAGTCTTTCCGA
GAAGACTGCTCCCGGACGAGTTCATCGATGTGATCGTGGCAACCGGGTGTACATGCC
TGCCTGTATGTTTATAACAAAATCGACCAGATCTCCATGGAAGAGGTGGACCGCTGGCC
CGAAAACCCAACAGTGTGGTCATCAGCTGCGGCATGAAGCTGAACCTGGACTATCTGCTG
GAGATGCTTTGGGAGTACTTGGCCCTGACCTGCATCTACACCAAGAAGAGAGGACAGAGG
CCAGACTTCACAGACGCCATCATTCTCCGAAAAGGGCCCTCAGTGGAGCACGTGTGCCAC
CGCATCCACCGGTCACTCGCCAGCCAGTTCAAGTACGCCCTGGTGTGGGGCACCAGCACC
AAGTACAGTCCGACGGGTGGGCTGACCCACACCATGGAGCATGAGGACGTCATCCAG
ATCGTGAAGAAGTAA

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Clone variation with respect to NM_001388.3
147 g=>a



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_001388 unedited GTATACGACTCACTATAGGGCGGCCGAATTCGGCACGAGGCGGAATTGCCGGTGCCGC CGCCACCCTGTCTGTGCGCCACCTCTGCTGCTACCATGGGGATCTTAGAGAAGATCTC GGAGATCGAGAAGGAGATCGCTCGGACACAGAAGAACAAGGCCACTGAGTATCATCTGGG CCTGCTGAAAGCTAAGCTCGCCAAGTATCGGGCCAGCTCCTGGAACCGTCCAAATCGGC CTCATCCAAAGGAGAGGGCTTTGATGTCATGAAGTCGGGTGATGCCCGTGTGGCGTGAT TGGATTTCCCTCTGTGGGTAAGTCCACATTCTTGAGTCTGATGACCTCCACGGCCAGCGA GGCAGCGTCTATGAGTTCACCACTCTGACGTGTATTCCTGGGGTCATTGAATACAAAGG TGCCAACATCCAGCTCCTGGACCTTCTGGAATCATTGAAGGCGCAGCCCAAGGAAAAGG CCGTGGCCGGCAGGTGATCGCTGTGGCGCACGGCTGACGTCATCATGATGCTGGA TGCCACCAAGGGAGAGGTGCAGAGGTCTCTGCTGGAGAAGGAGCTGGAGTCTGTGGGCAT CCGCCTCAACAAGCACAGCCTAACATCTACTTCAAGCCCAAGAGAGGTGGTGGCATCTC CTTAACTCGACAGTCACGCTGACCCAGTGTCTCGGAAAAGCTGGTGCAGCTCATCCTGCA CGAATACCAGATTTTCATGCAGAAGTGTCTTCCGAGAGACTGCTCCCGNACGAGTCAT CGATGTGATCGTGGGCACCCGGGTGCCATGCCCTGCTGTATGTTTATAACAAATCGACC ANATCTCCTGGNAGAGGTGGACCGNCTGCCCGAAACCCACAGTGTGTTTCATCAGCTGCG CATGAGCTGAACTGNACTTCTGCTGGAGATGCTTTGGATACTGGGCTGAC
Restriction Sites:	NotI-NotI
ACCN:	NM_001388
Insert Size:	1500 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:	NM_001388.3 , NP_001379.1
RefSeq Size:	1888 bp
RefSeq ORF:	1095 bp
Locus ID:	1819
UniProt ID:	P55039
Cytogenetics:	17p11.2
Domains:	TGS, GTP1_OBG

Gene Summary:

This gene encodes a GTP-binding protein known to function in the regulation of cell growth and differentiation. Read-through transcripts containing this gene and a downstream gene have been identified, but they are not thought to encode a fusion protein. This gene is located within the Smith-Magenis syndrome region on chromosome 17. [provided by RefSeq, Jan 2012]