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Product datasheet for SC324363

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

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Fully Sequenced ORF:

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>OriGene sequence for NM_001388.3
CGGAATTGCCGGTGCCGCCGCCACCGCTGTCTGTGCGCCCACCTCTGCTGCTACCATGGG
GATCTTAGAGAAGATCTCGGAGATCGAGAAGGAGATCGCTCGGACACAGAAGAACAAGGC
CACTGAGTATCATCTGGGCCTGCTGAAAGCTAAGCTCGCCAAGTATCGGGCCCAGCTCCT
GGAACCGTCCAAATCGGCCTCGTCCAAAGGAGAGGGCTTTGATGTCATGAAGTCGGGTGA
TGCCCGTGTGGCGCTGATTGGATTTCCCTCTGTGGGTAAGTCCACATTCTTGAGTCTGAT
GACCTCCACGGCCAGCGAGGCAGCGTCCTATGAGTTCACCACTCTGACGTGTATTCCTGG
GGTCATTGAATACAAAGGTGCCAACATCCAGCTCCTGGACCTTCCTGGAATCATTGAAGG
CGCAGCCCAAGGAAAAGGCCGTGGCCGGCAGGTGATCGCTGTGGCGCGCACGGCTGACGT
CATCATCATGATGCTGGATGCCACCAAGGGAGAGGTGCAGAGGTCTCTGCTGGAGAAGGA
GCTGGAGTCTGTGGGCATCCGCCTCAACAAGCACAAGCCTAACATCTACTTCAAGCCCAA
GAAAGGTGGTGGCATCTCCTTTAACTCGACAGTCATGCTGACCCAGTGCTCGGAAAAGCT
GGTGCAGCTCATCCTGCACGAATACAAGATCTTCAATGCAGAAGTGCTTTTCCGAGAAGA
CTGCTCCCCGGACGAGTTCATCGATGTGATCGTGGGCAACCGGGTGTACATGCCCTGCCT
GTATGTTTATAACAAAATCGACCAGATCTCCATGGAAGAGGTGGACCGCCTGGCCCGAAA
ACCCAACAGTGTGGTCATCAGCTGCGGCATGAAGCTGAACCTGGACTATCTGCTGGAGAT
GCTTTGGGAGTACTTGGCCCTGACCTGCATCTACACCAAGAAGAGAGGACAGAGGCCAGA
CTTCACAGACGCCATCATTCTCCGGAAAGGGGCCTCAGTGGAGCACGTGTGCCACCGCAT
CCACCGGTCACTCGCCAGCCAGTTCAAGTACGCCCTGGTGTGGGGCACCAGCACCAAGTA
CAGTCCGCAGCGGGTGGGCCTGACCCACACCATGGAGCATGAGGACGTCATCCAGATCGT
GAAGAAGTAACGGCGCCTGCCGGGCCTCCCGCCCACCTGCCTCGTCTCCCTGGGGAGGTG
GTCCCACTGGGACACACAAACACCCAAACAGAAAAATACAAATACACGTACCCCAGGAAG
GGGTCCCTCAAGTCTCTGCTATTTACAGAAGTTTCTTCAGTAGGCAGACGAAGAGTGTGT
TGGGGCAAAGGGGCTCGGTTGGAGGCATTTCCCATAAGACTGAGCCCTCTCATGGGGGTT
TTGAGTTTGTAGTGCTGAGCCTGCATCTGTGCCTCCCAGCCCCCTGCACTGAGGGAGCAA
GTTGCCCACATGCCCGCCAGCCAGGGCCTAAATCAGATGGCATGCTCAGTGCCAGGCTGG
TAGCTGGGCCTGTTTGGGTCCCTGGAGGCTGTGGCTGCTGTCATGGCACCTCACTCCCTC
AGCTCTTGCCAGCTTCTCTGACACTTGGGTTGGGGGCCCTTCCAGGAGGAAACCCCCTTG
GGTGCCCCACACAGGGCTCTCCATGATGGGAACCAGTGGTTAGTGGCTTCAAAGGCCCAG
CTGACACCCTCCACAGCCTAAGGGGTGTCCTAAAGTGCCTCCCCCTGTATTCCCCTTCCC
AGGGCAGCCCCTGCCCAGCACAAAACCCCAGGACCCTGGCTCTGCACGCCTGGGGCAGGG
ACTTTTGAGTTTAGGATCTGTATTTTCTAAGTCCCCAGTTCTCCTGGCTCTCCTTTCTGA
AATAAAGGATTGAAAACGGTTAAAAAAAAAAAAAAAAAA
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Restriction Sites: Please inquire

ACCN: NM_001388

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: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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).

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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_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]

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