

Product datasheet for **RG239297**

BRD2 (NM_001291986) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BRD2 (NM_001291986) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	BRD2
Synonyms:	BRD2-IT1; D6S113E; FSH; FSRG1; NAT; O27.1.1; RING3; RNF3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

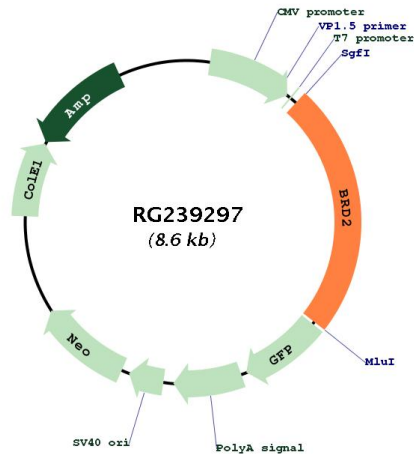


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ORF Nucleotide
Sequence:

>RG239297 representing NM_001291986.
Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
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GATGTCAGCGGACAGCTCAATTCTACTAAAAAGCCCCCAAGAAAGCGAATGAGAAAAACAGATCATCC
TCTGCACAGCAAGTAGCAGTGTACGCCTTAGCGCTTCCAGCTCCAGCTCAGATTCCAGCTCCTCCTCT
TCCTCGTCGTCTTCCAGACACCAAGTATTGACTCAGGC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Plasmid Map:


ACCN:	NM_001291986
ORF Size:	2043 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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).
RefSeq:	NM_001291986.2
RefSeq Size:	4899 bp
RefSeq ORF:	2046 bp
Locus ID:	6046
UniProt ID:	P25440
Cytogenetics:	6p21.32
Protein Families:	Protein Kinase

MW: 75.3 kDa

Gene Summary: This gene encodes a transcriptional regulator that belongs to the BET (bromodomains and extra terminal domain) family of proteins. This protein associates with transcription complexes and with acetylated chromatin during mitosis, and it selectively binds to the acetylated lysine-12 residue of histone H4 via its two bromodomains. The gene maps to the major histocompatibility complex (MHC) class II region on chromosome 6p21.3, but sequence comparison suggests that the protein is not involved in the immune response. This gene has been implicated in juvenile myoclonic epilepsy, a common form of epilepsy that becomes apparent in adolescence. Multiple alternatively spliced variants have been described for this gene. [provided by RefSeq, Dec 2010]