

Product datasheet for RC226173L3

OriGene Technologies, Inc.

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BRD2 (NM_001113182) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: BRD2 (NM_001113182) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: BRD2

Synonyms: BRD2-IT1; D6S113E; FSH; FSRG1; NAT; O27.1.1; RING3; RNF3

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clor

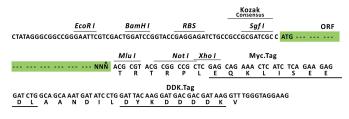
Sequence:

The ORF insert of this clone is exactly the same as(RC226173).

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_001113182

ORF Size: 2403 bp





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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).

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: <u>NM 001113182.1</u>

 RefSeq ORF:
 2406 bp

 Locus ID:
 6046

 UniProt ID:
 P25440

 Cytogenetics:
 6p21.32

Protein Families: Protein Kinase

MW: 87.9 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 histocompatability 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]