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Product datasheet for RC239497

BRD8 (NM_001300966) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BRD8 (NM_001300966) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BRD8
Synonyms:	p120; SMAP; SMAP2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

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ORF Nucleotide Sequence:

>RC239497 representing NM_001300966
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGCTTTGCAATGACATTGAAAAAGAAATTGGAAGAAGAGGAGGCTGAAGTAAAGAGGAAGGCTACAG
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TCCTATAGATTCTGCCTCCCCAGGAGGTGATTATCCACTTGGGGACTTGACTCCAACCACTATGGAAGAG
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CCCTTCCTCCAGGCTCTGCACCCTTAGAAGCCCCCATGACCCCAGTAACAGATGATTCACCCCAGAAAAA
GATGCTTGGACAGAAAGCAACTCCACCCCCCTCCCCTCTGCTGTCAGAGCTCTTGAAGAAGGGCAGCCTC
CTGCCTACTAGCCCCAGACTGGTCAATGAGAGTGAAATGGCTGTGGCTTCTGGCCACCTGAACAGTACAG
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TGTTGCAGCCTCCCCTGCTGCATCAGAGTCTGTGTCCCAAGCTACCATTGTCATGATGCCTGCGCTGCCA
GCACCATCCTCTGCTCCGGCTGTCTCCACTACTGAAAGTGTAGCTCCAGTGAGTCAACCCGACAACTGTG
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CATCAATTCTATCAAAGAAGAGTGTTTTCGATCAGGGGTAGCAGAGGCTCCTGTTGGATCAAAGGCTCCC
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GAAAGCCATCATGCTTGTATGGAGAGCTGCAGCTAATCATAGGTATGCCAATGTCTTCCTGCAGCCTGTT
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CAGATCCAGCAATTCTTGGCCACGCAGTTGATTATGCAAACATCCGAGTCTGGGATCAGTGCTAAAAGTC
TTCGAGGGAGAGATTCTACCCGCAAACAGGATGCTTCAGAGAAGGATGGAGGAACCAGGGGACGCCGCTG
TGCCATTGAAGCAGATATGAAGATGAAAAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC239497 representing NM_001300966
Red=Cloning site Green=Tags(s)

MSFAMTLKKKLEEEEAEVKRKATDAAYQARQAVKTPPRRLPTVMVRSPIDSASPGGDYPLGDLTPTTMEE
ATSGVTPGTLPSTPVTSFPGIPDTLPPGSAPLEAPMTPVTDDSPQKKMLGQKATPPPSPLLSELLKKGSL
LPTSPRLVNESEMAVASGHLNSTGVLLEVGGVLPMIHGGEIQQTPNTVAASPAASESVSQATIVMMPALP
APSSAPAVSTTESVAPVSQPDNCVPMEAVGDPHTVTVSMDSSEISMIINSIKEECFRSGVAEAPVGSKAP
SIDGKEELDLAEKMDIAVSYTGEELDFETVGDIIAIIEDKVDDHPEVLDVAAVEAALSFCEENDDPQSLP
GPWEHPIQQERDKPVPLPAPEMTVKQERLDFEETENKGIHELVDIREPSAEIKVEPAEPEPVISGAEIVA
GVVPATSMEPPELRSQDLDEELGSTAAGEIVEADVAIGKGDETPLTNVKTEASPESMLSPSHGSNPIEDP
LEAETQHKFEMSDSLKEESGTIFGSQIKDAPGEDEEEDGVSEAASLEEPKEEDQGEGYLSEMDNEPPVSE
SDDGFSIHNATLQSHTLADSIPSSPASSQFSVCSEDQEAIQAQKIWKKAIMLVWRAAANHRYANVFLQPV
TDDIAPGYHSIVQRPMDLSTIKKNIENGLIRSTAEFQRDIMLMFQNAVMYNSSDHDVYHMAVEMQRDVLE
QIQQFLATQLIMQTSESGISAKSLRGRDSTRKQDASEKDGGTRGRRCAIEADMKMKK

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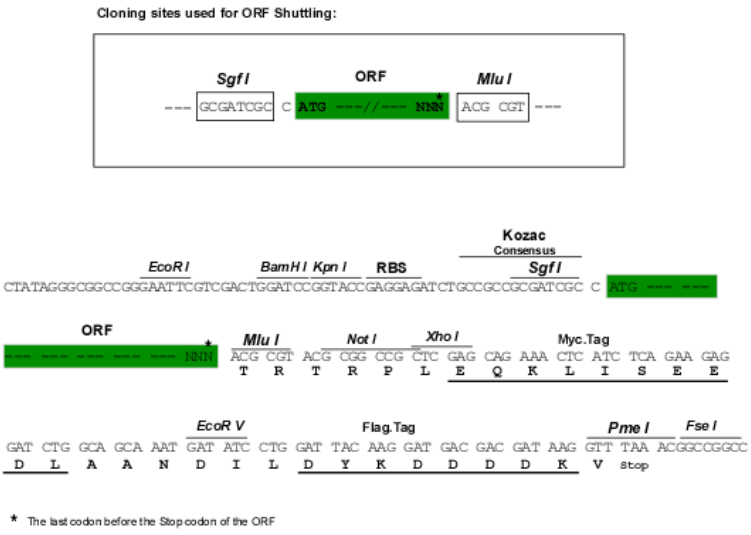
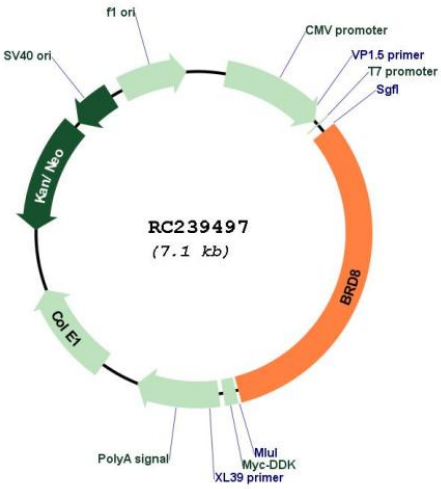
Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001300966
ORF Size:	2271 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).
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_001300966.2
RefSeq Size:	3086 bp
RefSeq ORF:	2274 bp
Locus ID:	10902

UniProt ID:	Q9H0E9
Cytogenetics:	5q31.2
Protein Families:	Druggable Genome, Transcription Factors
MW:	81.8 kDa
Gene Summary:	The protein encoded by this gene interacts with thyroid hormone receptor in a ligand-dependent manner and enhances thyroid hormone-dependent activation from thyroid response elements. This protein contains a bromodomain and is thought to be a nuclear receptor coactivator. Multiple alternatively spliced transcript variants that encode distinct isoforms have been identified. [provided by RefSeq, Jul 2014]