

Product datasheet for **RC239656**

BRD8 (NM_001300962) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BRD8 (NM_001300962) 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:

>RC239656 representing NM_001300962
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTCCATCCGAGAGAAGCTATGTTTAGCATCTTCTGTGTCATGAGAAGTGGCGATCAAAATTGCATTGTG
 CTTCCCAGTACTCGGAGCTTTTAGAGACCACTGAGACACCAAAACGGAACGAGGTGAAAAGGGAGAAGT
 GGTGAAAAGCTGTTGAAGATGTTATTGTTTCGAAAATTGACTGCTGAGCGAGTTGAAGAAGTAAAGAAAGT
 ATAAAGGAAACCCAGGAGAGATATAGACGGCTAAAGAGAGATGCAGAAGTAAATCAAGCTGGACACATGG
 ACAGCAGACTGGATGAGCTTTGCAATGACATTGCAACGAAAAAGAAATTGGAAGAAGAGGAGGCTGAAGT
 AAAGAGGAAGGCTACAGATGCTGCATACCAGGCTCGTCAAGCAGTAAAAACACCCCCGGAGGTTACCC
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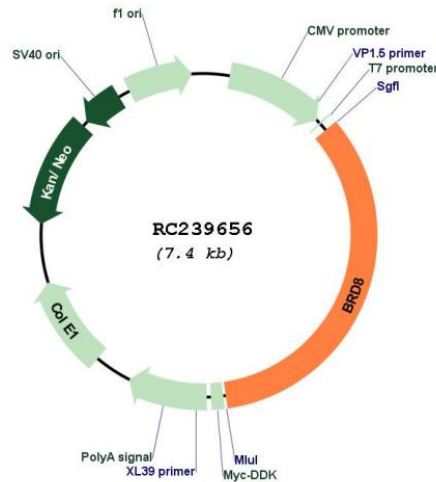
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC239656 representing NM_001300962
Red=Cloning site Green=Tags(s)

MVHPREAMFSIFCHEKWRSLHCASQYSELLETETPKRKRGEKGEVVETVEDVIVRKLTAERVEELKKV
IKETQERYRRLKRDAELIQAGHMDSRLDELNDIATKKKLEEEEEAEVKRKATDAAYQARQAVKTPRRRLP
TVMVRSPIDSASPGGDYPLGDLTPTTMEEATSGVNESEMAYASGHLNSTGVLLLEVGGVLPMIHGGEIQQT
PNTVAASPAASGAPTL SRLLEAGPTQFTTPLASF TTVASEPPVKLVPPPVESVSQATIVMMPALPAPSSA
PAVSTTESVAPVSQPDNCVPMEAVGDPHTVTVSMDSEISMIINSIKEECFRSGVAEAPVGSKAPSIDGK
EELDLAEKMDIAVSYTGEELDFETVGDIIAIEDKVDDHPEVLDVAAVEAALSFCEENDDPQSLPGPWEH
PIQQERDKPVPLPAPEMTVKQERLDFEETENKGIHELVDIREPSAEIKVEPAEPEPVISGAEIVAGVPA
TSMEPELRSQDLDEELGSTAAGEIVEADVAIGKGETPLTNVTEASPESMLSPSHGNSPIEDPLEAET
QHKFEMSDSLKEESGTFGSIKIDAPGEDEEEDGVSEAAASLEEKEDQGEGYLSMDNEPPVSESDDGF
SIHNATLQSHTLADSIPSSPASSQFSVCSEDQEIQAQKIWKKAIMLVWRAAANHRYANVFLQPVTDDIA
PGYHSIVQRPMDLSTIKKNIENGLIRSTAEFQRDIMLMFQNAVMYNSSDHDVYHMAVEMQRDVLEIQIQF
LATQLIMQTSSEGISAKSLRGRDSTRKQDASEKDSVPMGSPAFLLSLFDGGTRGRRCAIEADMKMKK

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul

Plasmid Map:


ACCN: NM_001300962

ORF Size: 2511 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_001300962.2](#)

RefSeq Size: 2964 bp

RefSeq ORF: 2514 bp

Locus ID: 10902

UniProt ID: [Q9H0E9](#)

Cytogenetics:	5q31.2
Protein Families:	Druggable Genome, Transcription Factors
MW:	91.6 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]