

## Product datasheet for **SC337391**

### **BRD8 (NM\_001300966) Human Untagged Clone**

#### **Product data:**

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



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001300966, the custom clone sequence may differ by one or more nucleotides

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ATGAGCTTTGCAATGACATTGAAAAAGAAATTGGAAGAAGAGGAGGCTGAAGTAAAGAGGAAGGCTACAG
ATGCTGCATACCAGGCTCGTCAAGCAGTAAAAACACCCCCCGGAGGTTACCCACTGTGATGGTTTCGCTC
TCCTATAGATTTCGCTCCCCAGGAGGTGATTATCCACTTGGGGACTTGACTCCAACCACTATGGAAGAG
GCTACCTCTGGGGTAACCCCCGGGACTTTGCCGAGTACCCAGTACCTCGTTTCCTGGGATTCCTGACA
CCCTTCCTCCAGGCTCTGCACCCTTAGAAGCCCCATGACCCAGTAAACAGATGATTACCCAGAAAAA
GATGCTTGGACAGAAAGCAACTCCACCCCTCCCTCTGCTGTGAGAGCTTTGAAGAAGGGCAGCCTC
CTGCTACTAGCCCAGACTGGTCAATGAGAGTAAAATGGCTGTGGCTTCTGGCCACCTGAACAGTACAG
GTGTCTCTGGAGGTAGGCGGGTCTTCCCATGATACATGGTGGGAGATACAGCAAACCCCAATAC
TGTTGCAGCTCCCTGCTGCATCAGAGTCTGTGCCAAGCTACCATTGCATGATGCCTGCGCTGCCA
GCACCATCTGCTCCGGCTGTCTCCACTACTGAAAGTGTAGTCCAGTGAAGTCAACCCGACAAGTGTG
TTCCCATGGAGGCTGTGGGGATCCACATACTGTGACTGTTCCATGGACAGCAGTGAATATCCATGAT
CATCAATTCTATCAAAGAAGAGTGTTCGATCAGGGGTAGCAGAGGCTCCTGTTGGATCAAAGGCTCCC
AGCATAGATGGGAAGGAAGAATTAGATCTGGCTGAGAAGATGGATATTGCTGTGCTTACACAGGTGAAG
AGCTGGATTTTGAGACTGTTGGAGACATCATTGCCATCATTGAGGACAAGGTAGATGATCCTGAAAGT
GCTGGATGTGGCAGCAGTGAAGCAGCACTGTCATTTTGTGAAGAAAATGATGATCCTCAGTCCCTGCC
GGCCCCCTGGGAGCATCCTATCCAGCAGGAGCGGACAAGCCAGTACCTCTCCCTGCACCAGAAAATGACGG
TCAAGCAAGAGAGACTGGACTTTGAGGAAACGGAACAAGGGAATACATGAACTGGTGGACATCAGGGA
GCCAGTGCAGAGATCAAGGTGGAACCTGCAGAACCCAGAGCCAGTCAATTCAGGAGCCGAAATAGTAGT
GGAGTTGTTCCAGCCACAAGTATGGAGCCACCAGAACTCAGGAGTCAAGGACTTAGATGAGGAATGGGAA
GTACTGCAGCTGGAGAGATTGTTGAAGCAGATGTTGCCATTGGGAAAGGCGATGAGACTCCACTACAAA
TGTGAAGACAGAGGCATCCCTGAAAGCATGTTGTCTCCATCACATGGCTCAAATCCCATTGAAGATCCT
TTAGAGGCAGAGACTCAGCACAAGTTTGAATGTGAGACTCATTGAAAGAAGAATCAGGGACTATTTTTG
GAAGCCAGATAAAGGATGCCCCAGGTGAGGATGAGGAGGAAGATGGTGTGAGTGAAGCGCCAGCCTAGA
GGAGCCTAAGGAAGAGGATCAAGGAGAAGGCTACTTGTGAGAAATGGATAATGAACCTCCTGTGAGCGAG
AGTGATGATGGCTTCCAGCATACACAATGCTACACTGCAGTACACACACTGCCAGACTCCATCCCCAGCA
GCCCTGCTTCTTACAGTCTCTGTCTGTAGTGGAGATCAGGAAGCTATTCAGGCACAGAAAATTTGGAA
GAAAGCCATCATGCTTGTATGGAGAGCTGCAGCTAATCATAGGTATGCCAATGTCTTCTGCAGCCTGTT
ACAGATGACATAGCACCTGGCTACCACAGCATTGTGCAGAGGCCTATGGATTTGTCAACTATTAAGAAAA
ACATAGAAAAATGGACTGATCCGAAGCACAGCTGAATTTACAGCTGACATTATGCTGATGTTTCAGAAATGC
TGTAATGTACAATAGCTCAGACCATGATGTCTATCACATGGCAGTGGAGATGCAGCGAGATGCTTGGAA
CAGATCCAGCAATTTTGGCCACGCAGTTGATTATGCAAACATCCGAGTCTGGGATCAGTGTAAAAGTC
TTCGAGGGAGAGATTCTACCCGCAACAGGATGCTTCAGAGAAGGATGGAGGAACCCAGGGGACGCCGCTG
TGCCATTGAAGCAGATATGAAGATGAAAAAGTGA
    
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**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001300966

**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).

**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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001300966.1</a> , <a href="#">NP_001287895.1</a>
<b>RefSeq Size:</b>	3086 bp
<b>RefSeq ORF:</b>	2274 bp
<b>Locus ID:</b>	10902
<b>UniProt ID:</b>	<a href="#">Q9H0E9</a>
<b>Cytogenetics:</b>	5q31.2
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (7) has an alternate splice site in the 5' region, which results in an alternate translation start codon, and has an alternate splice site in the central region and also lacks an in-frame exon in the 3' region, compared to variant 1. The resulting isoform (7) has a shorter and distinct N-terminus and lacks two internal segments, compared to isoform 1.</p>