

## Product datasheet for **MC212274**

### **Brdt (NM\_001079873) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Brdt (NM\_001079873) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Brdt  
**Synonyms:** 7420412D09Rik; Brd; Brd6; Fsr; Fsr3  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC212274 representing NM\_001079873  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGTCTCTGCCAAGTCGACAAACAGCTATTGTTAACCCCTCCACCAGGTACATAAACACTAAGAAGA  
GTGGGCGGTTGACGAATCAGCTGCAGTTCCTACAGAGGGTTGTGCTGAAGGCCCTGTGGAAGCACGGCTT  
CTCTTGGCCTTTCCAACAGCCGGTGGACGCCGTGAACTAAAGCTGCCTGACTATTACACCATCATAAAA  
ACCCCAATGGATTTAAATACAATTAAGAAGCGGTTGAAAAATAAGTATTATGAGAAGGCTCCGAATGCA  
TAGAAGACTTCAACACAATGTTCTCAAAGTCTACTTATACAACAAGACTGGAGATGACATTGTTGTTAT  
GGCCCAAGCTCTAGAGAAGTTATTTATGCAGAAATATCTCAGATGCCACAAGAAGAGCAAGTTGTGGGT  
GGTAAGGAGAGAAATAAGAAAGATATCCAACAAAAGATAGCGGTTTCTCTGCTAAGGAACAAATCCCTT  
CCAAAGCGGCAGAGAATGTCTTTAAGCGGCAAGAGATTCCTTCTGGGCTTCTGACATCTCTCTCGCC  
CTTAAACATGGCACAAGAAGCTCCCCGATCTGTGACTCGCAGTCTCTGGTCCAAATTACAAAGGTTGTG  
AAGAGGCGAGCAGACACAACAACCTCCTACCACTCCATAGCTAAAGCAAGTAGCGAATCTCCTCCGACAC  
TTAGAGAAACAAAGCCAGTGAACATGCCAGTAAAAGAAAATACAGTAAAGAACGTTTTGCCAGACTCTCA  
GCAACAACACAAAGTTTTAAAAACAGTCAAAGTAACGGAGCAATTAAGCACTGCAGCGAGATTCTTAAA  
GAAATGCTTGCCAAGAAACATTTGCCGTATGCATGGCCCTTCTATAATCCTGTGGATGCTGATGCTTTGG  
GACTCCACAACACTACTATGACGTTGTCAAAAATCCCATGGATCTCGGAACGATCAAGGTAATACTGCCTG  
A

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001079873



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<b>Insert Size:</b>	981 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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>	<u><a href="#">NM_001079873.1</a></u> , <u><a href="#">NP_001073342.1</a></u>
<b>RefSeq Size:</b>	1588 bp
<b>RefSeq ORF:</b>	981 bp
<b>Locus ID:</b>	114642
<b>UniProt ID:</b>	<u><a href="#">Q91Y44</a></u>
<b>Cytogenetics:</b>	5 E5
<b>Gene Summary:</b>	<p>The protein encoded by this gene belongs to the BET protein family. BET proteins have two N-terminal bromodomains and one C-terminal extraterminal domain (ET domain). BET proteins regulate chromatin reorganization via binding to acetylated histones. This gene is thought to play a role in the transcriptional regulation of spermatogenesis. Although referred to as testis-specific bromodomain (Brdt) protein, RT-PCR indicates that this gene is expressed in both mouse oocytes and testes. Alternative splicing results in multiple transcript variants encoding different proteins. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) uses an alternate splice site in the 3' coding region, compared to variant 1, resulting in a shorter protein (isoform B) that lacks the 3' bromodomain and ET domain, compared to isoform A.</p>