

## Product datasheet for **SC331872**

### **BRDT (NM\_001242807) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	BRDT (NM_001242807) Human Untagged Clone
Tag:	Tag Free
Symbol:	BRDT
Synonyms:	BRD6; CT9; SPGF21
Vector:	pCMV6-Entry (PS100001)



[View online »](#)

**Fully Sequenced ORF:** >SC331872 representing NM\_001242807.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

ATGTCTCTGCCAAGTCGACAAACAGCTATTATTGTTAACCCCTCCTCCACCAGAATATATAAATACTAAG
AAAAATGGGCGATTGACAAATCAACTTCAGTATCTACAAAAAGTTGTCTAAAGGATTTATGGAAGCAT
AGTTTTTCATGGCCCTTTCACAGTCTCTGTGGATGCTGTGAAACTACAGTTGCCTCCTGGAGATGACATT
GTTCTTATGGCACAAGCTCTAGAGAAGCTGTTTATGCAGAAATTATCTCAGATGCCACAAGAAGAGCAA
GTTGTGGGTGTTAAGGAAAGAATCAAGAAAGGCACTCAACAGAATATAGCTGTTTCTTCTGCTAAAGAA
AAATCATCACCCAGCGCAACAGAAAAAGTATTTAAGCAGCAAGAAATTCCTTCTGTATTTCTTAAGACA
TCTATTTCTCCCTTGAACGTGGTACAGGGAGCTTCAGTCAACTCCAGTTCACAAACTGCGGCCCAAGTT
ACAAAAGGTGTGAAGAGGAAAGCAGATACAACAACTCCTGCAACTTCAGCAGTTAAAGCAAGTAGTGAA
TTTTCTCCAACATTACAGAAAAATCAGTGGCACTGCCACCTATAAAAAGAAAAATAGCCAAAAGATGTT
TTGCCAGATTCTCAGCAACAATAAATGTTGTGAAGACTGTTAAAGTAACTGAACAATTAAGGCACTGT
AGTGAGATTCTTAAAGAAATGCTTGCAAAGAAACATTTTTCATATGCATGGCCCTTTATAATCCTGTT
GACGTTAATGCTTTGGGACTCCATAACTACTATGACGTTGTCAAAAATCCGATGGATCTTGAAGTATT
AAGGAGAAAAATGGATAACCAAGAATATAAGGATGCATACAAATTTGCGGCAGATGTTAGATTAATGTTC
ATGAATTGCTACAAGTACAATCCTCCAGATCACGAAGTTGTGACAATGGCAAGAATGCTTCAGGATGTT
TTCGAAACGCATTTTTCAAAGATCCCGATTGAACCTGTTGAGAGTATGCCTTTATGTTACATCAAAAACA
GATATCACAGAAACCACTGGTAGAGAGAACTAATGAAGCCTCCTCTGAAGGGAACCTTCTGTATGAT
TCTGAAGATGAGCGAGTTAAGCGTCTTGCAAAGCTTCAGGAGCAGCTTAAAGCTGTACATCAACAGCTC
CAGGTTTTGTCCCAAGTACCTTTCCGTAAGCTAAATAAAAAGAAAGAGAAGTCTAAAAGGAAAAAGAAA
AAAGAAAAGGTTAATAACAGCAATGAAAATCCAAGAAAAATGTGTGAGCAAAATGAGGCTAAAGGAAAAAG
TCCAAGAGAAAATCAGCCAAAGAAAAGGAAACAACAGTTCATTGGTCTAAAATCTGAAGATGAAGATAAT
GCTAAACCTATGAACTATGATGAGAAAAGGCAGTTAAGTCTGAATATAAACAAACTCCCTGGAGATAAA
CTTGGGCGAGTAGTTCACATAATACAATCAAGAGACCTTCTCTGAGCAATTCCAATCCTGATGAGATA
GAGATAGACTTTGAAACTGAAAGCATCAACTAAGAGAATTAGAAAAATATGTTTCGGCATGTCTA
AGAAAGAGACCATTAACCTCCTGCTAAGAAAAATATGATGTCCAAAGAAGAACTTCACTCACAGAAA
AAACAGGAATTGGAAAAGCGTTACTGGATGTTAATAATCAGTTAAATCTAGAAAACGTCAAACAAAA
TCTGATAAAACGCAACCATCCAAAGCTGTTGAAAATGTTCCCGACTGAGTGAGAGCAGCAGCAGCAGC
AGCAGCTCATCAGAGTCTGAAAGTAGCAGCAGTGACTTAAGCTCTTCAGACAGCAGTGATTCTGAATCA
GAAATGTTCCCTAAGTTTACAGAAGTAAAACCAATGATTCTCCTTCTAAAGAGAATGTAAGAAAAATG
AAGAATGAATGCATACTGCCTGAAGGAAGAACAGGCGTCAACAGATAGGATATTGTGTGAAGACACA
ACCTCTGCCAATACTACCTTGTTCATCAGACCACACCTTCACATGTAATGCCACCAAAATCACCACCAA
TTAGCATTTAATTATCAAGAATTAGAACATTTACAGACTGTGAAAAACATTTACCTTTACAAATTTCTG
CCTCCCTCAGGTGATTCTGAACAGCTCTCAATGGCATAACTGTGATGCATCCATCTGGTGTATGATGAC
ACAACGATGTTAGAACTGAATGTCAAGCTCCTGTACAGAAGGATATAAAGATTAAGAATGCAGATTCA
TGGAAAAGTTTAGGCAAAACAGTAAACCATCAGGTGTAATGAAATCCTCAGATGAGCTCTTCAACCAA
TTAGAAAAGCAGCCATAGAAAAGGAAGTAAAAGCTCGGACACAGGAACATACGGAAGCATTGGAA
CAAAAATACAAAGGAACATAAAGCATCTCAAGAAAAATCAGAGGGATCTTGGGAATGGATTGACTGTAGAA
TCTTTTTCAAATAAAATACAAAACAAGTCTCTGGAGAAGAGCAGAAAAGAACATCAGCAGTCATCAGAA
GCTCAAGATAAATCCAAACTCTGGCTTCTCAAAGACCGTGATTTAGCAAGGCAGAAAAGAACAAGAGAGG
AGGAGGAGAGAAGCAATGGTGGGTACCATTGATATGACCCTTCAAAGTGACATTATGACAATGTTTGAA
AACAACTTTGATTAA
  
```

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001242807  
**Insert Size:** 2706 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>	<a href="#">NM_001242807.1</a>
<b>RefSeq Size:</b>	3029 bp
<b>RefSeq ORF:</b>	2706 bp
<b>Locus ID:</b>	676
<b>UniProt ID:</b>	<a href="#">Q58F21</a>
<b>Cytogenetics:</b>	1p22.1
<b>Protein Families:</b>	Protein Kinase, Transcription Factors
<b>MW:</b>	102.4 kDa
<b>Gene Summary:</b>	<p>BRDT is similar to the RING3 protein family. It possesses 2 bromodomain motifs and a PEST sequence (a cluster of proline, glutamic acid, serine, and threonine residues), characteristic of proteins that undergo rapid intracellular degradation. The bromodomain is found in proteins that regulate transcription. Several transcript variants encoding multiple isoforms have been found for this gene. [provided by RefSeq, Jun 2011]</p> <p>Transcript Variant: This variant (5) differs in the 5' UTR, lacks an alternate in-frame exon, and uses an alternate in-frame splice junction at the 3' end of an exon compared to variant 4. The resulting isoform (c) lacks two internal segments compared to isoform a. Variants 5 and 6 both encode the same protein.</p>