

## Product datasheet for **RG235075**

### **BRDT (NM\_001242806) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	BRDT (NM_001242806) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	BRDT
Synonyms:	BRD6; CT9; SPGF21
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG235075 representing NM\_001242806  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGTCTCTGCCAAGTCGACAAACAGCTATTATTGTTAACCTCCTCCACCAGAATATATAAATACTAAGA  
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 TTTTTCATGGCCCTTTCAACGTCCTGTGGATGCTGTGAAACTACAGTTGCCTGATTATTATACCATTATA  
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 GGTGTTAAGGAAAGAATCAAGAAAGGTAAGGCAGGAGGCACTCAACAGAATATAGCTGTTTCTTCTGCTA  
 AAGAAAAATCATCACCCAGCGCAACAGAAAAAGTATTTAAGCAGCAAGAAATTCCTTCTGTATTTCTTAA  
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 TTGATATGACCCTCAAAGTGACATTATGACAATGTTTAAAAACAACCTTTGAT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG235075 representing NM\_001242806  
Red=Cloning site Green=Tags(s)

```
MSLPSRQTAIIVNPPPEYINTKKNGRLTNQLQYLQKVVLDLWKHSFSWPFQRPVDAVKLQLPDYTTII
KNPMDLNTIKRLENKYAKASECIEDFNTMFSNCYL YNKP GDDIVLMAQALEKLFMQKLSQMPQEEQVV
GVKERIKKKGAGGTQQNI AVSSAKEKSSPSATEKVFKQQEIPSVFPKTSISPLNVVQGASVNSSSQTAAQ
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SEILKEMLAKKHFSYAWPFYNPVDVNALGLHNYDVKVKNPMDLGTIKEKMDNQEYKDAYKFAADVRLMFM
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PSKA VENVSRLESSSSSSSSSESSSSDLSSSDSSDSESEMFPKFTEVKPNDSKENVKMKNECIL
PEGRTGVTQIGYCVQD TTSANTTLVHQ TTPSHVMPNHHQLAFNYQELEHLQTVKNI SPLQILPPSGDSE
QLSNGITVMHPSGSDT TMLSE CQAPVQKDIKIKNADSWKSLGKPVKPSGVMKSSDEL FNQFRKAAIEK
EVKARTQELIRKHLEQNTKELKASQENQRDLGNGLTVESFSNKIQNKCSGEEQKEHQQSSEAQDKSKLWL
LKDRDLARQKEQERRRREAMVGTIDMTLQSDIMTMFENNFD
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

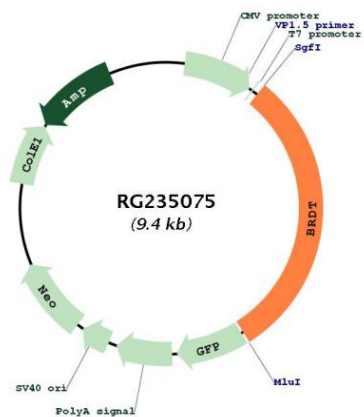


**ACCN:** NM\_001242806

**ORF Size:** 2853 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_001242806.1</a> , <a href="#">NP_001229735.1</a>
<b>RefSeq Size:</b>	3373 bp
<b>RefSeq ORF:</b>	2856 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>Gene Summary:</b>	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]

Product images:



Circular map for RG235075