

Product datasheet for **RG234984**

BRDT (NM_001242810) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BRDT (NM_001242810) 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)



[View online »](#)

ORF Nucleotide Sequence:

>RG234984 representing NM_001242810
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATTTAAATACAATTAAGAAGCGCTTGAGAATAAATATTATGCGAAGGCTTCAGAATGTATAGAAG
 ACTTCAATACAATGTTCTCAAATTGTTATTTATATAACAAGCCTGGAGATGACATTGTTCTTATGGCACA
 AGCTCTAGAGAAGCTGTTTATGCAGAAATTATCTCAGATGCCACAAGAAGAGCAAGTTGTGGGTGTTAAG
 GAAAGAATCAAGAAAGGCACTCAACAGAAATATAGCTGTTTCTTCTGCTAAAGAAAAATCATCACCCAGCG
 CAACAGAAAAAGTATTTAAGCAGCAAGAAATTCCTTCTGTATTTCTAAGACATCTATTTCTCCCTTGAA
 CGTGGTACAGGGAGCTTCAGTCAACTCCAGTTCACAACTGCGGCCCAAGTTACAAAAGGTGTGAAGAGG
 AAAGCAGATACAACAACCTCCTGCAACTCAGCAGTTAAAGCAAGTAGTGAATTTTCTCCAACATTCACAG
 AAAAAATCAGTGGCACTGCCACCTATAAAAGAAAAATGCCAAAGAATGTTTTGCCAGATTCTCAGCAACA
 ATATAATGTTGTGAAGACTGTTAAAGTAACTGAACAATTAAGGCACTGTAGTGAGATTCTTAAAGAAATG
 CTTGCAAAGAAACATTTTTTCATATGCATGGCCCTTTTATAATCCTGTTGACGTTAATGCTTTGGGACTCC
 ATAACTACTATGACGTTGTCAAAAATCCGATGGATCTTGGAATTAAGGAGAAAAATGGATAACCAAGA
 ATATAAGGATGCATACAAATTTGCGGCAGATGTTAGATTAATGTTTCATGAATTGCTACAAGTACAATCCT
 CCAGATCACGAAGTTGTGACAAATGGCAAGAATGCTTCAGGATGTTTTCGAAACGCATTTTTCAAAGATCC
 CGATTGAACCTGTTGAGAGTATGCCTTTATGTTACATCAAACAGATATCACAGAAACCACTGGTAGAGA
 GAACACTAATGAAGCCTCCTCTGAAGGGAACCTTCTGATGATTCTGAAGATGAGCGAGTTAAGCGTCTT
 GCAAAGCTTCAGGAGCAGCTTAAAGCTGTACATCAACAGCTCCAGGTTTTGTCCCAAGTACCTTTCCGTA
 AGCTAAATAAAAAGAAAAGAGAAGTCTAAAAAGGAAAAAGAAAAAGAAAAGTTAATAACAGCAATGAAAA
 TCCAAGAAAAATGTGTGAGCAAATGAGGCTAAAGGAAAAAGTCCAAGAGAAATCAGCCAAAGAAAAGGAAA
 CAACAGTTCATTGGTCTAAAATCTGAAGATGAAGATAATGCTAAAACCTATGAACTATGATGAGAAAAAGC
 AGTTAAGTCTGAATATAAACAACTCCCTGGAGATAAACTTGGGCGAGTAGTTCACATAATAACAATCAAG
 AGAGCCTTCTCTGAGCAATTCGAATCCTGATGAGATAGAGATAGACTTTGAAACACTGAAAGCATCAACA
 CTAAAGAGAATTAGAAAAATGTTTTCGGCATGTCTAAGAAAGAGACCATTAAAACCTCCTGCTAAGAAAA
 TAATGATGTCAAAGAAGAACTTCACTCACAGAAAAAACAGGAATTGGAAAAGCGGTTACTGGATGTTAA
 TAATCAGTTAAATCTAGAAAACGTCAAACAAAATCTGATAAAACGCAACCATCCAAAGCTGTTGAAAAAT
 GTTTCCCGACTGAGTGAGAGCAGCAGCAGCAGCAGCTCATCAGAGTCTGAAAGTAGCAGCAGTGACT
 TAAGCTCTTCAAGCAGCAGTGAATCTGAATCAGAAATGTTCCCTAAGTTTACAGAAGTAAAACCAATGA
 TTCTCCTTCTAAAAGAAATGTAAGAAAAATGAAGAATGAATGCATACTGCCTGAAGGAAGAACAGGCGTC
 ACACAGATAGGATATTGTGTGCAAGACACAACCTCTGCCAATACTACCCTTGTTTCATCAGACCACACCTT
 CACATGTAATGCCACCAATCACCACCAATTAGCATTAAATTAACAAGAAATAGAACATTACAGACTGT
 GAAAAACATTTACCTTTACAAATTCGCCTCCCTCAGGTGATTCTGAACAGCTCTCAAATGGCATAACT
 GTGATGCATCCATCTGGTGATAGTGACACAACGATGTTAGAATCTGAATGTCAAGCTCCTGTACAGAAGG
 ATATAAAGATTAAGAATGCAGATTCATGGAAAAGTTTAGGCAAACCAAGTAAAACCATCAGGTGTAATGAA
 ATCCTCAGATGAGCTCTCAACCAATTTAGAAAAGCAGCCATAGAAAAGGAAGTAAAAGCTCGGACACAG
 GAACTCATACGGAAGCATTGGAACAAAATACAAGGAACTAAAAGCATCTCAAGAAAAATCAGAGGGATC
 TTGGGAATGGATTGACTGTAGAATCTTTTTCAAATAAAAATACAAAACAAGTCTGAGAGAGAGAGAA
 AGAACATCAGCAGTATCAGAAGCTCAAGATAAATCCAACCTCTGGCTTCTCAAAGACCGTGATTTAGCA
 AGGCAGAAAGAACAAGAGAGGAGGAGGAGAGAAGCAATGGTGGTACCATTGATATGACCCTTCAAAGT
 ACATTATGACAATGTTTGAACAACCTTTGAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG234984 representing NM_001242810
 Red=Cloning site Green=Tags(s)

MDLNTIKKRLLENKYYAKASECIEDFNTMFSNCYL NKP GDDIVLMAQALEKLFMQKLSQMPQEEQVVGVK
 ERIKKGTTQONI AVSSAKEKSSPSATEKVFVKQEQEIPSVFPKTSISPLNVVQGASVNSSSQTAAQVTKGVKR
 KADTTTPATSAVKASSEFSPTFTEKSVALPPIKENMMPKNVLPDSQQQYVNVKTVKYTEQLRHCSEILKEM
 LAKKHFSYAWPFYNPVDVNALGLHNYD VVKNPMDLGTIKEKMDNQEYKDAYKFAADVRLMFMNCYKYNP
 PDHEVVTMARM LQDVFETHFSKIPIEPVESMPLCYIKTDITETTGRENTNEASSEGNSSDSEDERVKRL
 AKLQEQLKAVHQQLQVL SQV PFRKLNKKKEKSKKEKKEKVNNSNENPRKMCEQMRLKEKSKRNQPKKRK
 QQFIGLKSEDEDNAKPMNYDEKRQLSLNINKLP GDKLGRVVHIIQSREPSLSNSNPDEIEIDFETLKAST
 LRELEKYVSACLRKRPLKPPAKKIMMSKEELHSQKKQELEKRLLDVNNQLNSRKRQTKSDKTQPSKAVERN
 VSRLSESSSSSSSESSSSDLSSSDSSSESEMFPKFTEVKPNDSKENVKMKNECILPEGRTGV
 TQIGYCVQD TTSANTTLVHQTTPSHVMPNHHQLAFNYQELEHLQTVKNI SPLLQILPPSGDSEQLSNGIT
 VMHPSGSDT TMLSECOAPVQKD IKIKNADSWKSLGKPVKPSGMKSSDEL FNQFRKAAIEKEVKARTQ
 ELIRKHLEQNTKELKASQENQRDLGNGLTVEFSNKIQNKCSGEEQKEHQSSSEAQDKSLWLLKDRDLA
 RQKEQERRRREAMVGTIDMTLQSDIMTFENNFD

TRTRPLE - GFP Tag - V

Restriction Sites:

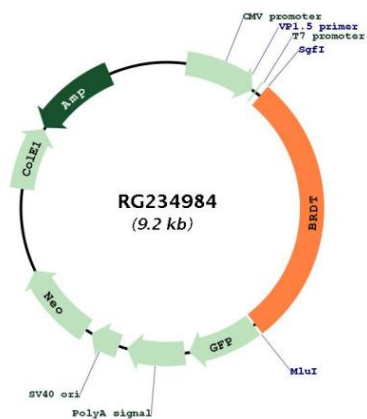
SgfI-MluI

Cloning Scheme:



ACCN:	NM_001242810
ORF Size:	2622 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:	<ol style="list-style-type: none">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_001242810.1 , NP_001229739.1
RefSeq Size:	3717 bp
RefSeq ORF:	2625 bp
Locus ID:	676
UniProt ID:	Q58F21
Cytogenetics:	1p22.1
Protein Families:	Protein Kinase, Transcription Factors
Gene Summary:	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 RG234984