

Product datasheet for **SC308409**

BRDT (NM_207189) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BRDT (NM_207189) Human Untagged Clone
Tag:	Tag Free
Symbol:	BRDT
Synonyms:	BRD6; CT9; SPGF21
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >SC308409 representing NM_207189.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGTCTCTGCCAAGTCGACAAACAGCTATTATTGTTAACCCCTCCTCCACCAGAATATATAAATACTAAG
AAAAATGGGCGATTGACAAATCAACTTCAGTATCTACAAAAAGTTGTCCTAAAGGATTTATGGAAGCAT
AGTTTTTCATGGCCCTTCAACGTCCTGTGGATGCTGTGAAACTACAGTTGCCTGATTATTATACCATT
ATAAAAAACCCAATGGATTTAAATAACAATTAAGAAGCGCTTGGAGAATAAATATTATGCGAAGGCTTCA
GAATGTATAGAAGACTTCAATACAATGTTCTCAAATTGTTATTTATATAACAAGCCTGGAGATGACATT
GTTCTTATGGCACAAGCTCTAGAGAAGCTGTTTATGCAGAAATTATCTCAGATGCCACAAGAAGAGCAA
GTTGTGGGTGTTAAGGAAAGAATCAAGAAAGGCACTCAACAGAATATAGCTGTTTCTTCTGCTAAAGAA
AAATCATCACCCAGCGCAACAGAAAAAGTATTTAAGCAGCAAGAAATTCCTTCTGTATTTCTAAGACA
TCTATTTCTCCCTTGAACGTGGTACAGGGAGCTTCAGTCAACTCCAGTTCACAACTGCGGCCCAAGTT
ACAAAAGTGTGAAGAGGAAAGCAGATACAACAACCTCCTGCAACTTCAGCAGTTAAAGCAAGTAGTGAA
TTTTCTCCAACATTCACAGAAAAATCAGTGGCACTGCCACCTATAAAAGAAAAATAGCCAAAGAATGTT
TTGCCAGATTCTCAGCAACAATAAATGTTGTGAAGACTGTTAAAGTAACGAACAATTAAGGCACTGT
AGTGAGATTCTTAAAGAAATGCTTGCAAAGAAACATTTTTCATATGCATGGCCCTTTTATAATCCTGTT
GACGTTAATGCTTTGGGACTCCATAACTACTATGACGTTGTCAAAAATCCGATGGATCTTGGAACTATT
AAGGAGAAAAATGGATAACCAAGAATAAAGGATGCATACAAAATTTGCGGCAGATGTTAGATTAATGTTT
ATGAATTGCTACAAGTACAATCCTCCAGATCACGAAGTTGTGACAATGGCAAGAATGCTTCAGGATGTT
TTGAAACGCATTTTTCAAAGATCCCGATTGAACCTGTTGAGAGTATGCCTTTATGTTACATCAAAAA
GATATCACAGAAACCACTGGTAGAGAGAACACTAATGAAGCCTCCTCTGAAGGGAATCTTCTGATGAT
TCTGAAGATGAGCGAGTTAAGCGCTTGCAGGCTTCAAGGCTTCAAGGAGCAGCTTAAAGCTGTACATCAACAGCTC
CAGGTTTTGTCCCAAGTACCTTTCCGTAAGCTAAATAAAAAGAAAGAGAAGTCTAAAAAGGAAAAAGAAA
AAAGAAAAGGTTAATAACAGCAATGAAAAATCCAAGAAAAATGTGTGAGCAAAATGAGGCTAAAGGAAAAAG
TCCAAGAGAAATCAGCCAAAGAAAGGAAACAACAGTTTATTGGTCTAAAATCTGAAGATGAAGATAAT
GCTAAACCTATGAACTATGATGAGAAAAGGCGATTAAAGTCTGAATATAAACAACCTCCCTGGAGATAAA
CTTGGGCGAGTAGTTCACATAATACAATCAAGAGAGCCTTCTCTGAGCAATCCAATCCTGATGAGATA
GAGATAGACTTTGAAACTGAAAGCATCAACTAAGAGAATTAGAAAAATATGTTTCGGCATGTCTA
AGAAAGAGACCATTAACCTCCTGCTAAGAAAAATATGATGTCCAAGAAAGAACTTCACCTCACAGAAA
AAACAGGAATTGAAAAGCGGTTACTGGATGTTAATAATCAGTTAAATCTAGAAAACGTCAAACAAAA
TCTGATAAAACGCAACCATCCAAGCTGTTGAAAATGTTTCCCGACTGAGTGAGAGCAGCAGCAGCAGC
AGCAGCTCATCAGAGTCTGAAAGTAGCAGCAGTGACTTAAGCTCTTCCAGACAGCAGTGATTCTGAATCA
GAAATGTTCCCTAAGTTTACAGAAGTAAACCAAAATGATTCCTTCTAAAGAGAATGTAAGAAAAATG
AAGAATGAATGCATACCGCTGAAGGAAGAACAGGCGTCACACAGATAGGATATTGTGTGCAAGACACA
ACCTCTGCCAATACTACCTTGTTCATCAGACCACCTTCACATGTAATGCCACCAATCACCACCAA
TTAGCATTTAATTATCAAGAATTAGAACATTTACAGACTGTGAAAAACATTTACCTTTACAAATCTG
CCTCCCTCAGGTGATTCTGAACAGCTCTCAAATGGCATAACTGTGATGCATCCATCTGGTGATGTGAC
ACAACGATGTTAGAATCTGAATGTCAAGCTCCTGTACAGAAGGATATAAAGATTAAAGATGAGATTCA
TGAAAAAGTTTAGCAAACCAAGTAAACCATCAGGTGTAATGAAATCCTCAGATGAGCTCTTCAACCAA
TTTAGAAAAGCAGCCATAGAAAAGGAAGTAAAAGCTCGGACACAGGAACTCATACGGAAGCATTTGGAA
CAAAATACAAAGGAACTAAAAGCATCTCAAGAAAAATCAGAGGGATCTTGGGAATGGATTGACTGTAGAA
TCTTTTTCAAATAAAATACAAAACAAGTCTGTTGAGAAGAGCAGAAAGAACATCAGCAGTCATCAGAA
GCTCAAGATAAATCCAACCTCTGGCTTCTCAAAGACCGTGATTTAGCAAGGCAGAAAGAACAAGAGAGG
AGGAGGAGAGAAGCAATGGTGGTACCATTGATATGACCCTTCAAAGTGACATTATGACAATGTTTGAA
AACAACTTTGATTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
```

Restriction Sites: SgfI-MluI

ACCN:	NM_207189
Insert Size:	2844 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_207189.3
RefSeq Size:	3361 bp
RefSeq ORF:	2844 bp
Locus ID:	676
UniProt ID:	Q58F21
Cytogenetics:	1p22.1
Protein Families:	Protein Kinase, Transcription Factors
MW:	108 kDa

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]

Transcript Variant: This variant (1) differs in the 5' UTR and uses an alternate in-frame splice junction at the 3' end of an exon compared to variant 4. The resulting isoform (b) lacks a short internal segment compared to isoform a. Variants 1, 2, and 3 all encode the same isoform (b).