

Product datasheet for **RC235007**

BRDT (NM_001242807) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BRDT (NM_001242807) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BRDT
Synonyms:	BRD6; CT9; SPGF21
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RC235007 representing NM_001242807
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCTCTGCCAAGTCGACAAACAGCTATTATTGTTAACCTCCTCCACCAGAATATATAAATACTAAGA
AAAATGGGCGATTGACAAATCAACTTCAGTATCTACAAAAAGTTGCCTAAAGGATTATGAAGCATAG
TTTTTCATGGCCCTTTCAACGTCTGTGGATGCTGTGAAACTACAGTTGCCTCCTGGAGATGACATTGTT
CTTATGGCACAAGCTCTAGAGAAGCTGTTTATGCAGAAATATCTCAGATGCCACAAGAAGCAAGTTG
TGGGTGTTAAGGAAAGAATCAAGAAAGGCACTCAACAGAATATAGCTGTTTCTTCTGCTAAAGAAAAATC
ATCACCAGCGCAACAGAAAAAGTATTTAAGCAGCAAGAAATTCCTTCTGTATTTCTAAGACATCTATT
TCTCCCTGAACGTGGTACAGGGAGCTTCACTCAACTCCAGTTCACAACTGCGGCCAAGTTACAAAAG
GTGTGAAGAGGAAAGCAGATACAACAACCTCTGCAACTTCAGCAGTTAAGCAAGTAGTGAATTTCTCC
AACATTACAGAAAAATCAGTGGCACTGCCACCTATAAAAGAAAAATGCCAAAGAAATGTTTGGCCAGAT
TCTCAGCAACAATATAATGTTGTGAAGACTGTTAAAGTAACTGAACAATTAAGGCACTGTAGTGAGATTC
TTAAAGAAATGCTTGCAAGAAACATTTTTTCATATGCATGGCCCTTTTATAATCCTGTTGACGTTAATGC
TTTGGGACTCCATAACTACTATGACGTTGTCAAAAATCCGATGGATCTTGGAACTATTAAGGAGAAAATG
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AAGCATCAACACTAAGAGAATTAGAAAAATATGTTTCGGCATGTCTAAGAAAAGAGACCATTAACACCTCC
TGCTAAGAAAATATGATGTCCAAGAAGAACTCACTCACAGAAAAACAGGAATTGAAAAGCGGTTA
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CTGTTGAAAATGTTTCCGACTGAGTGAGAGCAGCAGCAGCAGCAGCAGCTCATCAGAGTCTGAAAGTAG
CAGCAGTGACTTAAGCTCTTCAGACAGCAGTGATTCTGAATCAGAAATGTTCCCTAAGTTTACAGAAGTA
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GTGATTTAGCAAGGCAGAAAGAACAAGAGAGGAGGAGGAGAAGCAATGGTGGTACCATTGATATGAC
CCTTCAAAGTGACATTATGACAATGTTTAAAACAACCTTGTAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC235007 representing NM_001242807
 Red=Cloning site Green=Tags(s)

MSLPSRQTAIIVNPPPEYINTKKNRGLTNQLQYLQKVVLDLWKHSFSWPFQRPVDAVKLQLPPGDDIV
 LMAQALEKLFMQKLSQMPQEEQVVGKERIKKGTQONIIVSSAKEKSSPSATEKVFVKQEQEIPSVFPKTSI
 SPLNVVQGASVNSSQTAAQVTGKVKRKAADTTTPATSAVKASSEFSPFTTEKSVALPPIKENMPKNVLPD
 SQQQYINVVKTVKVTEQLRHCSEILKEMLAKKHFSAWPFYNPVDVNALGLHNYVDVVKNPMDLGTIKEKM
 DNQEYKDAYKFAADVRLMFMNCYKYNPPDHEVVTMARMQLQDVFEHFTHSKIPVVEEMPLCYIKTDITET
 TGRENTNEASSEGNSSDSEDERVKRLAKLQEQLKAVHQQLQVLQVVPFRKLNKKKEKSKKEKKEKVN
 SNENPRKMCEQMRLKEKSKRNQPKRQKQF IGLKSEEDNAKPMNYDEKRQLSLNINKLPGDKLGRVVHI
 IQSREPSLSNSNPDEIEIDFETLKASTLRELEKYVSACLRRKPLKPPAKKIMMSKEELHSQKKQELEKRL
 LDVNNQLNSRKRQTKSDKTQPSKAVENTSRLSESSSSSSSESSSSDLSSDSSDSESEMPFKFTEV
 KPNDSPSKENVKMKNECILPEGRTGVTQIGYCVQDTSANTTLVHQTTPSHVMPNHHQLAFNYQELEH
 LQTVKNI SPLQILPPSGDSEQLSNGITVMHPSGSDTMTLESECQAPVQKDIKKNADSWKSLGKPKVPS
 GVMKSSDELFNQFRKAAIEKEVKARTQELIRKHLEQNTKELKASQENQRDLGNGLTVESFSNKIQNKCSG
 EEQKEHQSSAQDKSKLWLLKDRDLARQKEQERRRREAMVGTIDMTLQSDIMTFENNF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

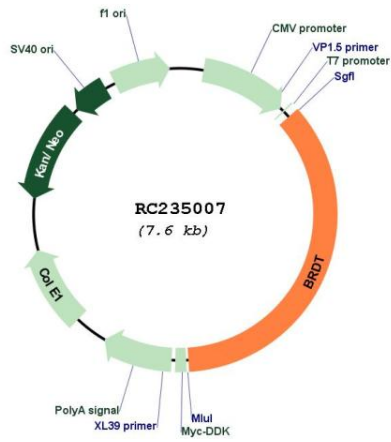
Cloning Scheme:



ACCN: NM_001242807

ORF Size:	2703 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_001242807.1 , NP_001229736.1
RefSeq Size:	3029 bp
RefSeq ORF:	2706 bp
Locus ID:	676
UniProt ID:	Q58F21
Cytogenetics:	1p22.1
Protein Families:	Protein Kinase, Transcription Factors
MW:	102.8 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]

Product images:



Circular map for RC235007