

Product datasheet for **RC235008**

BRDT (NM_001242808) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BRDT (NM_001242808) 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:

>RC235008 representing NM_001242808
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCTCTGCCAAGTCGACAAACAGCTATTATTGTTAACCTCCTCCACCAGAATATATAAATACTAAGA
 AAAATGGGCGATTGACAAATCAACTTCAGTATCTACAAAAAGTTGCCTAAAGGATTATGAAGCATAG
 TTTTTCATGGCCCTTTCAACGTCCTGTGGATGCTGTGAAACTACAGTTGCCTCCTGGAGATGACATTGTT
 CTTATGGCACAAGCTCTAGAGAAGCTGTTTATGCAGAAATATCTCAGATGCCACAAGAAGCAAGTTG
 TGGGTGTTAAGGAAAGAATCAAGAAAGGCACTCAACAGAATATAGCTGTTTCTTCTGCTAAAGAAAAATC
 ATCACCACGCGCAACAGAAAAAGTATTTAAGCAGCAAGAAATTCCTTCTGTATTTCTAAGACATCTATT
 TCTCCCTGAACGTGGTACAGGGAGCTTCACTCAACTCCAGTTCACAACTGCGGCCAAGTTACAAAAG
 GTGTGAAGAGGAAAGCAGATACAACAACCTCTGCAACTTCAGCAGTTAAGCAAGTAGTGAATTTCTCC
 AACATTACAGAAAAATCAGTGGCACTGCCACCTATAAAAGAAAAATGCCAAAGAAATGTTTGGCAGAT
 TCTCAGCAACAATATAATGTTGTGAAGACTGTTAAAGTAACTGAACAATTAAGGCACTGTAGTGAGATTC
 TTAAGAAATGCTTGCAAGAAACATTTTTTCATATGCATGGCCCTTTTATAATCCTGTTGACGTTAATGC
 TTTGGGACTCCATAACTACTATGACGTTGTCAAAAATCCGATGGATCTTGGAACTATTAAGGAGAAAATG
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 ACTGGTAGAGAGAACACTAATGAAGCCTCCTCTGAAGGAACTCTTCTGATGATTCTGAAGATGAGCGAG
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 AAGCATCAACACTAAGAGAATTAGAAAAATATGTTTCGGCATGTCTAAGAAAAGAGACCATTAACAACTCC
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 CAGCAGTGACTTAAGCTCTTCAGACAGCAGTGATTCTGAATCAGAAATGTTCCCTAAGTTTACAGAAGTA
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 CCTTCAAAGTGACATTATGACAATGTTTGAACAACCTTTGAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC235008 representing NM_001242808
Red=Cloning site Green=Tags(s)

MSLPSRQTAIIVNPPPEYINTKKNRGLTNQLQYLQKVVLDLWKHSFSWPFQRPVDAVKLQLPPGDDIV
 LMAQALEKLFMQKLSQMPQEEQVVGKERIKKGTQONIIVSSAKEKSSPSATEKVFVKQEQEIPSVFPKTSI
 SPLNVVQGASVNSSQTAAQVTGKVKRKAADTTTPATSAVKASSEFSPFTTEKSVALPPIKENMPKNVLPD
 SQQQYNVVKTVKVTQLRHCSEILKEMLAKKHF SYAWPFYNPVDVNALGLHNYVDVVKNPMDLGTIKEKM
 DNQEYKDAYKFAADVRLMFMNCYKYNPPDHEVVTMARMQLQDVFEHF SKIPIEPVESMPLCYIKTDITET
 TGRENTNEASSEGNSSDSEDERVKRLAKLQEQLKAVHQQLQVLQVVPFRKLNKKKEKSKKEKKEKVN
 SNENPRKMCEQMRLKEKSKRNQPKRKRQF IGLKSEEDNAKPMNYDEKRQLSLNINKLPGDKLGRVVHI
 IQSREPSLSNSNPDEIEIDFETLKASTLRELEKYVSACLRRKPLKPPAKKIMMSKEELHSQKKQELEKRL
 LDVNNQLNSRKRQTKSDKTQPSKAVENTSRLSESSSSSSSESSSSDLSSDSSDSESEMFPKFTEV
 KPNDSPSKENVKMKNECILPEGRTGVTQIGYCVQDTSANTTLVHQTTPSHVMPNHHQLAFNYQELEH
 LQTVKNI SPLQILPPSGDSEQLSNGITVMHPSGSDTMTLESECQAPVQDKIKKNADSWKSLGKPKVPS
 GVMKSSDELFNQFRKAAIEKEVKARTQELIRKHLEQNTKELKASQENQRDLGNGLTVESFSNKIQNKCSG
 EEQKEHQSSAQDKSKLWLLKDRDLARQKEQERRRREAMVGTIDMTLQSDIMTFENNF

TRTRPLEQLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

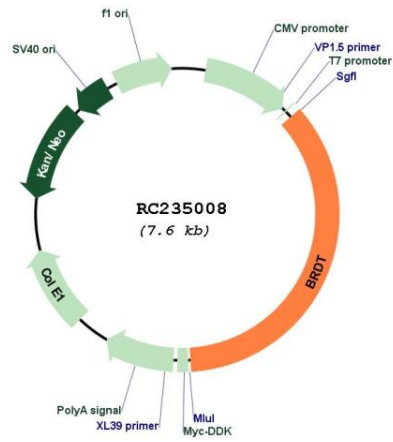
Cloning Scheme:



ACCN: NM_001242808

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_001242808.1 , NP_001229737.1
RefSeq Size:	3223 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 RC235008