

Product datasheet for **RG211916**

BSDC1 (NM_018045) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BSDC1 (NM_018045) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	BSDC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG211916 representing NM_018045
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGAAGGGGAGGACGTGGGATGGTGGCGGAGCTGGCTGCAGCAGAGCTACCAAGCAGTCAAAGAGA
 AGTCTCTGAAGCCTTGGAGTTTATGAAGCGGGACCTGACGGAGTTTACCCAGGTGGTGCAGCATGACAC
 GCCTGTACCATCGCAGCCACGGCCAGCGTGGTCAAGGAGAAGCTGGCTATTGCAGCCTGTTCCCGGGC
 GCTTGCTCTCTGCCGTTCTCTATACAGACGGAAGGCTCCTCAGGAGCAACAGAGAAGATGAAGAAA
 GGTTATCTGACTTCTAGGGGTGATCTCAGACACCTTTGCCCTTCGCCAGACAAAACCATCGACTGCGA
 TGTCATCACCTGATGGGCACACCGTCTGGCACAGCTGAGCCCTATGATGGCACCAAGGCTCGCCTCTAT
 AGCCTGCAGTCGGACCCAGAACCTACTGTAATGAACCAGATGGGCCCGGAATTGTTGACGCCTGGC
 TTTCCAGTTCGCTTGGAGGAGAAGAAGGGGAGATCTCAGAGCTCCTTGTAGGCAGCCCTCCATCCG
 GGCCCTACACCAAGATGGTTCAGCAGCTGTTCCATTTCAGAATTCTGGCATCGGTATTTCTATAAA
 GTCATCAGTTGGAGCAGGAGCAGGCCCGAGGGACGCCCTGAAGCAGCGGGCGGAACAGAGCATCTCTG
 AAGAGCCCGCTGGGAGGAGGAGGAAGAGGAGCTCATGGGCATTTACCCATATCTCCAAAAGAGGCAAA
 GGTTCCTGTGGCCAAAATTTCTACATTCCTGAAGGAGAACCTGGCCCCAGAGCCCCTGTGAAGAGAAT
 CTGGTGACTTCAGTTGAGCCCCAGCAGAGGTGACTCCATCAGAGAGCAGTGAGAGCATCTCCCTCGTGA
 CACAGATCGCCAACCCGGCCACTGCACCTGAGGCACGAGTGCTACCAAGGACCTGTCCAAAAGCTGCT
 AGAGGCATCCTTGGAGGAACAGGGCCTGGCTGTGGATGTGGGTGAGACTGGACCCACCCCTATTCAC
 TCCAAGCCCCTAACGCCCTGCTGGCCACACCGCGGCCAGAGCCCAGGCCTCCAGCCAGAGTAGAGACTC
 TGAGGGAGGAGGGCCACAGACTTACGGGTGTTGAGCTGAACCTCGGATAGTGGGAAGTCTACACCTC
 CAACAATGGAAGAAAGGCTCAAGCAGGACATCAGTGAGGACTGGGAGAAAGACTTTGACTTGGACATG
 ACTGAAGAGGAGGTGCAGATGGCACTTTCCAAAGTGGATGCCTCCGGGGAGGTGAGTGGGCTGGTGGT
 CAGAGGGAAGCGAGCCTAATGGTCTGGGTGTGAGAGCTCTCCCAGCCAGCCAGCTGTCCCTCAGGA
 GGGTCCCTGCTCTGTCTGAGG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG211916 representing NM_018045
 Red=Cloning site Green=Tags(s)

MAEGEDVGVWRSWLQQSYQAVKEKSSEALEFMKRDLTEFTQVVQHDTACTIAATASVVKEKLAIAACSRG
 ACFLCPFSIQTEGSSGATEKMKKGLSDFLGVISDTFAPSPDKTIDCDVITLMGTSPSGTAEPYDGTKARLY
 SLQSDPATYCNPDGPPELFDAWLSQFCLEEKKEISELLVGSPSIRALYTKMVPAAVSHSEFWHRIFYK
 VHQLREQARRDALKQRAEQSISEEPGWEEEEELMGISSIPKEAKVPVAKISTFPEGEPGPQSPCEEN
 LVTSVEPPAEVTPSESSESISLVTQIANPATAPEARVLPKDLSQLLEASLEEQLAVDVGETGPSPIIH
 SKPLTPAGHTGGPEPRPPARVETLREEPTDLRVFELNSDSGKSTPSNNGKKSSTDISEDWEKDFDLDM
 TEEEVQMALSKVDASGEVSGPGGSEGSEPNPGCESSPQPAQLSPQEGPCSLR

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_018045

ORF Size: 1422 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:

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_018045.5](#)

RefSeq Size: 4729 bp

RefSeq ORF: 1293 bp

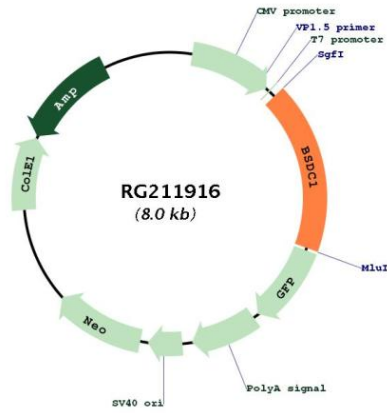
Locus ID: 55108

UniProt ID: [Q9NW68](#)

Cytogenetics: 1p35.1

Domains: BSD

Product images:



Circular map for RG211916