

Product datasheet for **RC227670**

BSDC1 (NM_001143890) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BSDC1 (NM_001143890) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BSDC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC227670 representing NM_001143890 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGAAGGGGAGGACGTGGGATGGTGGCGGAGCTGGCTGCAGCAGAGCTACCAAGCAGTCAAAGAGA
 AGGCTCGCCTCTATAGCCTGCAGTCGGACCCAGCAACCTACTGTAATGAACCAGATGGGCCCCGGAATT
 GTTTGACGCCTGGCTTTCCAGTTCTGCTTGAGGAGAAGAAGGGGGAGATCTCAGAGCTCCTTGTAGGC
 AGCCCCCCTCCATCCGGGCCCTCTACCAAGATGGTTCCAGCAGCTGTTTCCATTGAGAATCTGGCATC
 GGTATTTCTATAAAGTCCATCAGTTAGAGCAGGAGCAGGCCCGGAGGGACGCCCTGAAGCAGCGGGCGGA
 ACAGAGCATCTCTGAAGAGCCCGCTGGGAGGAGGAGGAAGAGGAGCTCATGGGCATTTACCCATATCT
 CAAAAAGAGGCAAAGGTTCTGTGGCCAAAATTTCTACATTCCCTGAAGGAGAACCTGGCCCCAGAGCC
 CCTGTGAAGAGAATCTGGTGACTTCAGTTGAGCCCCAGCAGAGGTGACTCCATCAGAGAGCAGTGAGAG
 CATCTCCCTCGTGACACAGATCGCAACCCGGCCACTGCACCTGAGGCACGAGTGCTACCAAGGACCTG
 TCCAAAAGCTGCTAGAGGCATCCTTGAGGAACAGGGCCTGGCTGTGGATGTGGGTGAGACTGGACCT
 CACCCCTATTCACTCCAAGCCCTAACGCCTGCTGGCCACACCGCGGCCAGAGCCCAGGCCTCCAGC
 CAGAGTAGAGACTCTGAGGGAGGAGGCCCCACAGACTTACGGGTGTTTGAAGTGAAGTGAAGTGAAGT
 AAGTCTACACCCTCAACAATGGAAGAAAGGCTCAAGCACGGACATCAGTGAGGACTGGGAGAAAGACT
 TTGACTTGACATGACTGAAGAGGAGGTGCAGATGGCACTTTCCAAAGTGGATGCCTCCGGGAGCTGGA
 AGATGTAGAGTGGGAGGACTGGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC227670 representing NM_001143890
 Red=Cloning site Green=Tags(s)

MAEGEDVGWRSWLQSYQAVKEKARLYSLQSDPATYCNPDGPPELFDWLQFCLLEKKGEISELLVG
 SPSIRALYTKMPPAAVSHSEFWHRYFYKVHLEQEQARRDALKQRAEQSISEPGWEEEEELMGISPIS
 PKEAKVPVAKISTFPEGEPGPQSPCEENLVTSVEPPAEVTPSESSSISLVTQIANPATAPEARVLPKDL
 SOKLLEASLEEQGLAVDVGETGPSPIHSKPLTPAGHTGGPEPRPPARVETLREEAPTDLRVFELNSDSG
 KSTPSNNGKGSSTDISDWEKDFDLDMTEEEVQMALSKVDASGELEDVEWEDWE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1276_a10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001143890

ORF Size: 1005 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001143890.3](#)

RefSeq ORF: 1008 bp

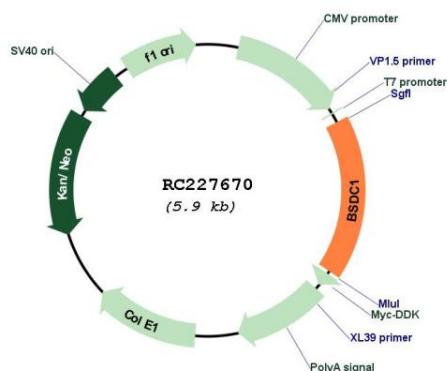
Locus ID: 55108

UniProt ID: [Q9NW68](#)

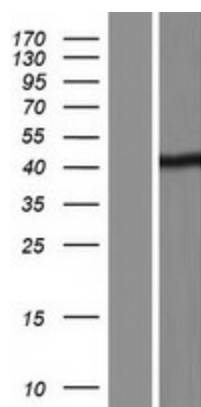
Cytogenetics: 1p35.1

MW: 37 kDa

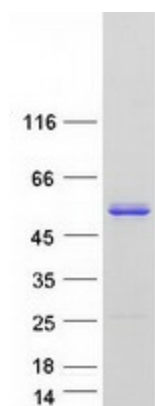
Product images:



Circular map for RC227670



Western blot validation of overexpression lysate (Cat# [LY428397]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC227670 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified BSDC1 protein (Cat# [TP327670]). The protein was produced from HEK293T cells transfected with BSDC1 cDNA clone (Cat# RC227670) using MegaTran 2.0 (Cat# [TT210002]).