OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC215269

BTBD1 (NM_001011885) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	BTBD1
Synonyms:	C15orf1; NS5ATP8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC215269 representing NM_001011885
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCTCACTCGGGCCTGCCGCAGCTGGGGAGCAGGCGTCGGGGGCTGAGGCGGAGCCGGGCCCCGCGG
GGCCGCCGCCGCCGCCCTCACCGTCCTCTCTGGGGCCCCTGCTCCCCCTGCAGCGGGAACCTCTCTACAA
CTGGCAGGCGACCAAGGCGTCGCTGAAGGAGCGCTTCGCCTTCCTCTTCAACTCGGAGCTGCTGAGCGAT
GTGCGCTTCGTACTGGGCAAGGGTCGCGGCGCCGCCGCCGCTGGGGGCCCGCAGCGCATCCCCGCCCACC
GCTTCGTGCTGGCGGCCGGCAGCGCCGTCTTTGACGCCATGTTCAACGGCGGCATGGCCACCACGTCGGC
CGAGATCGAGCTGCCGGACGTGGAGCCCGCAGCCTTCCTGGCGCTGCTGAGATTTCTATATTCAGATGAA
GTTCAAATTGGTCCAGAAACAGTTATGACCACTCTTTATACTGCCAAGAAATACGCAGTCCCAGCCTTGG
AAGCACACTGTGTAGAATTTCTCACCAAACATCTTAGGGCAGATAATGCCTTTATGTTACTTACTCAGGC
TCGATTATTTGATGAACCTCAGCTTGCTAGTCTTTGTCTAGATACAATAGACAAAAGCACAATGGATGCA
ATAAGTGCAGAAGGGTTTACTGATATTGATATAGATACACTCTGTGCAGTTTTAGAGAGAGACACACTCA
GTATTCGAGAAAGTCGACTTTTTGGAGCTGTTGTACGCTGGGCAGAAGCAGAATGTCAGAGACAACAATT
ACCTGTGACTTTTGGGAATAAACAAAAAGTTCTAGGAAAAGCACTTTCCTTAATCCGGTTCCCACTGATG
ACAATTGAGGAATTTGCAGCAGGTCCTGCTCAATCTGGAATTTTGTCAGATCGTGAAGTGGTAAACCTCT
TTCTTCATTTTACTGTCAACCCTAAACCCCGAGTTGAATACATTGACCGACCAAGATGCTGTCTCAGGGG
AAAGGAATGCTGCATCAATAGATTCCAGCAAGTAGAAAGCCGCTGGGGTTACAGTGGGACGAGTGATCGA
ATCAGATCATTGAATATGAGAAAAAGCAAACCCTGGGACAGAATGATACCGGCTTTAGTTGTGATGGGAC
AGCTAACACATTCAGGGTCATGTTCAAGGAACCCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

View online »

Protein Sequence:

>RC215269 representing NM_001011885
Red=Cloning site Green=Tags(s)

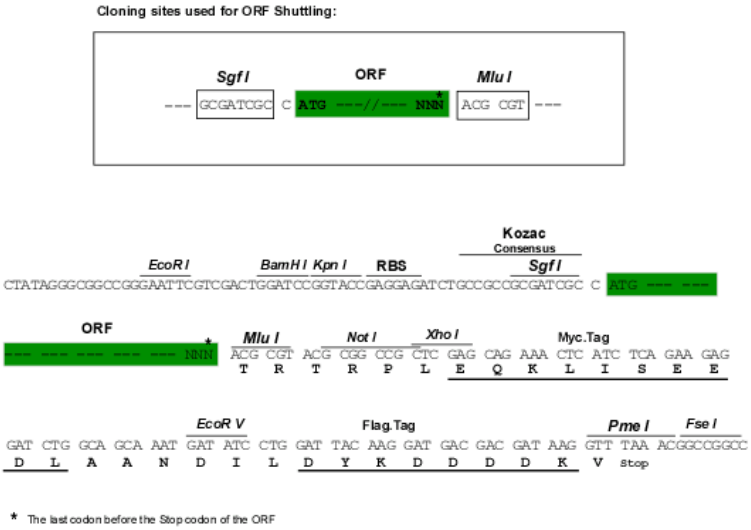
MASLGPAAAGEQASGAEAEPGPAGPPPPPSPSSLGPLLPLQREPLYNWQATKASLKERFAFLFNSELLSD
VRFVLGKGRGAAAAGGPQRIPAHRFVLAAGSAVFDAMFNGGMATTSAEIELPDVEPAAFLALLRFLYSDE
VQIGPETVMTTLYTAKKYAVPALEAHCVEFLTKHLRADNAFMLLTQARLFDEPQLASLCLDTIDKSTMDA
ISAEGFTDIDIDTLCAVLERDTLSIRESRLFGAVVRWAEAECQRQQLPVTFGNKQKVLGKALSLIRFPLM
TIEEFAAGPAQSGILSDREVVNLFLHFTVNPKPRVEYIDRPRCCLRGKECCINRFQQVESRWGYSGTSDR
IRSLNMRKSKPWDRMIPALVVMGQLTHSGSCSRNP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8056_c03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001011885

ORF Size: 1155 bp

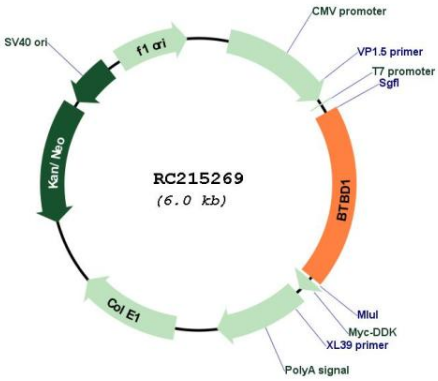
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.

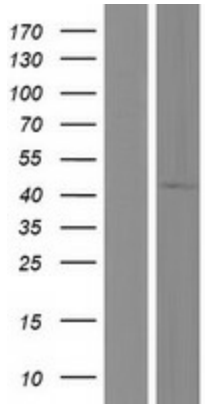
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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_001011885.2
RefSeq Size:	3220 bp
RefSeq ORF:	1158 bp
Locus ID:	53339
UniProt ID:	Q9H0C5
Cytogenetics:	15q25.2
MW:	41.9 kDa
Gene Summary:	The C-terminus of the protein encoded by this gene binds topoisomerase I. The N-terminus contains a proline-rich region and a BTB/POZ domain (broad-complex, Tramtrack and bric a brac/Pox virus and Zinc finger), both of which are typically involved in protein-protein interactions. Subcellularly, the protein localizes to cytoplasmic bodies. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC215269



Western blot validation of overexpression lysate (Cat# [LY423309]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC215269 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).