

Product datasheet for **RC236314**

BTD (NM_001281726) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: BTD (NM_001281726) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: BTD
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC236314 representing NM_001281726
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCATGCGCATATTCAGGGCGGAAGGCGCGCTAAGAGCAGATTTGTGGTCTGCATTATGTCTGGAG
CCAGAAGTAAGCTTGCTCTTTCCCTGCGGCTGTACGTGGTTGCCCTGGGAGCCACACCGGGGAGGA
GAGCGTGGCTGACCATCACGAGGCTGAATATTATGTGGCTGCCGTGTATGAGCATCCATCCATCCTGAGT
CTGAACCCTCTGGCTCTCATCAGCCGCCAAGAGGCCTTGAGCTCATGAACCAGAACCTTGACATCTATG
AACAGCAAGTGATGACTGCAGCCAAAAGGATGTACAGATTATAGTGTTCAGAAAGATGGCATTATG
ATTCAACTTTACAAGAACATCCATTTATCCATTTTGGACTTCATGCCGTCTCCCAGGTGGTCAAGTGG
AACCCATGCCTGGAGCCTCACCGCTTCAATGACACAGAGGTGATTCCTGCCTTTTCCCTCAGTAGGCTGA
GGGTACACAGAGGTGATCTAAGTCAGGGACCAGAAGCTGTGACATGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC236314 representing NM_001281726
Red=Cloning site Green=Tags(s)

MAHAHIQGGRRAKSRFVVCIMSGARSKLALFLCGCYVVALGAHTGEESVADHHEAEYVVAAYVEHPSILS
LNPLALISRQEALLMNQNLDIYEQQVMTAAQKDVQIIVFPEDGIHGFNFTRTSIYPFLDFMPSPQVVRV
NPCLEPHRFNDTEVIPAFFLSRLRVHRGDL SQGPEAVTC

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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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:	<u>NM_001281726.1, NP_001268655.1</u>
RefSeq Size:	769 bp
RefSeq ORF:	480 bp
Locus ID:	686
Cytogenetics:	3p25.1
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Biotin metabolism, Metabolic pathways
MW:	20.6 kDa
Gene Summary:	The protein encoded by this gene functions to recycle protein-bound biotin by cleaving biocytin (biotin-epsilon-lysine), a normal product of carboxylase degradation, resulting in regeneration of free biotin. The encoded protein has also been shown to have biotinyl transferase activity. Mutations in this gene are associated with biotinidase deficiency. Multiple transcript variants encoding different isoforms have been described. [provided by RefSeq, Aug 2013]