

## Product datasheet for **SC336605**

### **BTD (NM\_001281725) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	BTD (NM_001281725) Human Untagged Clone
Tag:	Tag Free
Symbol:	BTD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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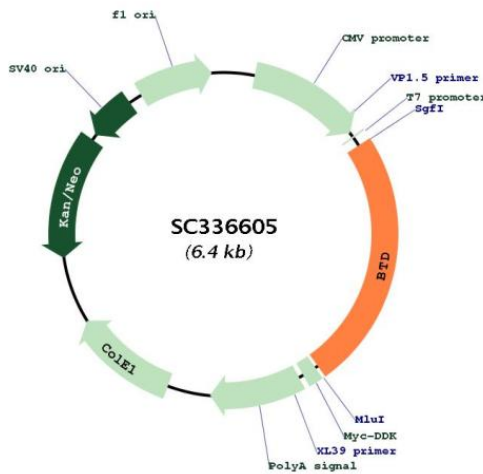
**Fully Sequenced ORF:** >SC336605 representing NM\_001281725.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGTCTGGAGCCAGAAGTAAGCTTGCTCTTTTCCCTCGCGGCTGTACGTGGTTGCCTGGGAGCCAC
ACCGGGGAGGAGCGTGGCTGACCATCACGAGGCTGAATATTATGTGGCTGCCGTGTATGAGCATCCA
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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**Restriction Sites:** SgfI-MluI

**Plasmid Map:**



**ACCN:** NM\_001281725

<b>Insert Size:</b>	1572 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_001281725.2</a></u>
<b>RefSeq Size:</b>	4092 bp
<b>RefSeq ORF:</b>	1572 bp
<b>Locus ID:</b>	686
<b>UniProt ID:</b>	<u><a href="#">P43251</a></u>
<b>Cytogenetics:</b>	3p25.1
<b>Protein Families:</b>	Druggable Genome, Secreted Protein
<b>Protein Pathways:</b>	Biotin metabolism, Metabolic pathways
<b>MW:</b>	58.9 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (4) differs in the 5' UTR compared to variant 1. Variants 1-4 and 6 encode the same isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>