

## Product datasheet for **MG213069**

### **Btbd35f10 (NM\_001085552) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Btbd35f10 (NM_001085552) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Btbd35f10
Synonyms:	Gm14351; OTTMUSG00000016411
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG213069 representing NM\_001085552  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGGCTTTTAGTCAGCAGGGTCTTGAGATGCAGGGATTCCAGTCTGTTAGAGCCACAGCCAGAAGCCA  
 TAGCCGGAGCCAGCTACATTCTGGCAGTCGCAAGCTAAAAGAAACAGTTTGGAGGAGTTGGCAACAAG  
 TTCTAATGTTTCATGGACCTCAAAACCAGGGAATGTATCCACATCAAGTTCTCAACTACATCTACTGGAAA  
 AGGGTTAAGATCTCATCTAATGATGCTTATCAAACTATTTTTGGACGGGCATGATAGCCACATTA  
 TCCGTGCTCTGGAAAAACATGGTGTACACAAAGTATTTTTATGTCAGTCAGGCTACTTTGCTAACAT  
 TCTCAAAGGTAAGTGGAGAGAATCACACCATGGTGTATAAATCTGATCATTAAAGATGAGGATATTGAT  
 ACCCGATCTCTGCATTTTGTGTTGGTGTGTATACGGATGCGGATTTGTCAATAACACCTCTGGAAG  
 TTCTCAAGTTTGGCAGCAGCATGCCTGCTTCGGGTGGATCGAGTAATTCAGCAGTGTGAAGGAATCAT  
 GAAAGAACTATCAACAGGAACACTGTGTCTCTATTATTTGGCAGCAGAACTATAGATTAAGCT  
 GTAAAGACGAGATGCTTTGAATGGCTTCTTTGCAATTTGATGGTACATCCAAGTGTGGCACTTTACAAGG  
 AAGTAGACTTGAAGTTGATGTATCTTCTAGCACTGTCTTCTGACTTACTAGTCATGCAAAAAGGAGATTGA  
 TGTATATACCACACTAAAAATATGGATGTTCTTTATCTTAATCCATGCTGGAACGGAACCATGAAACAG  
 CTTTTACAACACGCAAACTGGCTTTCCACCCACATGGCATATGTTGATAACATCAGTTTTCTTGAAA  
 GTGAAGAAGGACTAATATTTCAACCAAGTGTAAAAAGCTGAGATTTGAGCAGTATCTGTGACTTGAC  
 TTCCACAATATCTTGAACAAGATCGACTAATACCTATGGCATGTTGTCAACCCATTTACAACAACAG  
 TGGTTGACTTTGCTGCGAACACAAGAATATGGGTAATGGACCACAAGTATCAATGAACAAGAAGTTG  
 AAGAATGCACCATGAGGTGTGGTACAATGATCCCAAGGATGGAAGATATACTTGAAGTGGTCAAGTTGG  
 ACGACTTGGCTTTCTTTACGTGTGACCTTTACCAGGCAGTGTGTAATTTAAGGCAACGGTGTGAGAGG  
 TGTGATGTTCTGCTTGCACAACCATATCCGAAATGTCATATTCAGAATAACTTTGGTGTGTTTTGATT  
 CCAACAAAAGAGTAACTTTAGAAAAGACAACAGGTTATAAAATCCTCACCTTTGAATATAAGGAGGAGCA  
 AATTGTAATGAAATTGGATAGTATGTTCTAACCTTCCCTATGTGATATTTCTGCAATTTCTTTTTGTA  
 AACCTAGGAAATGCAGAAAAAAG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG213069 representing NM\_001085552  
 Red=Cloning site Green=Tags(s)

MGLLVSRVLRCDSSLEPQPEAIAGASYIPGSRKLRNSLEELATSSNVHGPQNQGMYPHQVLYNYIYWK  
 RVKISSNDAYQNLFLDGHDSHIKIRALGKTWCLHKVFLCQSGYFANILKGTWRESHHGVINLIKNEDID  
 TRSLHFVFGALYTDADLSITPLEVPQVLAACLRLVDRVIQQCEGIMKETINRNTVCSYLLAAETRYLKA  
 VKTRCFEWLNLNLMVHPSVALYKEVDLKLMYLLALSSDLLVMQKEIDVYTTLKIWMFLYLNPCWNGTMKQ  
 LLQHANNWLSTHMAYVDNISFLESEGLIFQPVFKKLRFQHIICDLTSTTILEQDRLIPMAWLSPIYKQQ  
 WLTLRLTQEYGVIGPQVINEQELEEECTMRCGTMIPKDGRTWKWSVGRGLGFPLRVTFTRQCVILRQRCR  
 CDGSACHNHIRNVIFRITLVCFDSNKRVTFRKTTGYKILTFEYKEEQIVMKLDSVDLTFPMCIFCNFLFV  
 NLGNAENK

**TRTRPLE** - GFP Tag - V

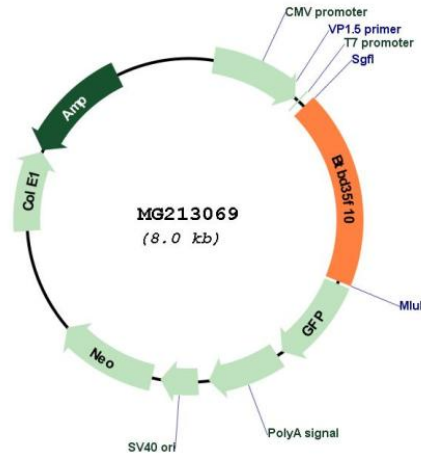
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



**Plasmid Map:**


**ACCN:** NM\_001085552

**ORF Size:** 1494 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\\_001085552.1](#)

**RefSeq Size:** 1952 bp

**RefSeq ORF:** 1497 bp

**Locus ID:** 668960

**Cytogenetics:** X A1.1