

## Product datasheet for **MG214607**

### **Btbd35f28 (NM\_001085543) Mouse Tagged ORF Clone**

#### **Product data:**

<b>Product Type:</b>	Expression Plasmids
<b>Tag:</b>	TurboGFP
<b>Symbol:</b>	Btbd35f28
<b>Synonyms:</b>	Gm14347; OTTMUSG00000016407
<b>Mammalian Cell Selection:</b>	Neomycin
<b>Vector:</b>	pCMV6-AC-GFP (PS100010)
<b>E. coli Selection:</b>	Ampicillin (100 ug/mL)



**ORF Nucleotide Sequence:** >MG214607 representing NM\_001085543  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGGGCTTTTAGTCAGCAGGGTCTTGAGATGCAGGGATTCCAGTCTGTTAGAGCCACAGCCAGAAGCCA  
 TAGCCGGAGCCAGCTACATTCTGGCAGTCGCAAGCGAAAAAGAAACAGTTTGGAGGAGTTGGCAACAAG  
 TTCTAATGTTTCATGGACCTCAAACCAGGGGAATGTATCCACATCAAGTTCTCAACTACATCTACTGGAAA  
 AGGGTTAAGATCTCATCTAATGATGCTTACAAAACCTATTTTTGGACGGGCATGATAGCGACATTAATA  
 TCCGTGCTCTGGGAAGAACATGGTGTACACAAAGTATTTTTATGTCAGTCAGGCTACTTTGCTAACAT  
 TCTCAAAGGTAAGTGGAGAGAATCACACCAAGGTGTTATAAATCTGATCATTAAAGATGAGGATATTGAT  
 ACCCGATCTCTGCATTTTGTGTTGGTGTCTTGTACACGGATGCGGATTTGTCAATAACACCTCTGGAAG  
 TTCCTCAAGTTTTGGCAGCAGCATGCCTGCTTCGGGTGGATCGAGTAATTCAGCAGTGTGAAGGAATCAT  
 GAAAGAAATCAACAGGAACACTGTGTGCTCCTATTATTGGCAGCAGAAACCTATAGATTAAGCT  
 GTAAAGACGAGATGCTTTGAATGGCTTCTTTGCAATTTGATGGTACATCCAAGTGTGGCACTTTACAAGA  
 AAGTAGATTTGAAGTTGATGTATCTTCTAGCACTGTCTTCTGACTTACTAGTCATGCAAAAGGAGATTGA  
 TGTATATACCACACTAAAAATATGGATGTTCTTTATCTTAATCCATGCTGGAACGGAACCATGAAACAG  
 CTTTTACAACAGCAAACTGGCTTTCCACCACATGGCATATGTTGATAACATCAGTTTTCTTGAAA  
 GTGAAGAAGGACTAATATTTCAACCCGTGTTAAAAAGCTGAGATTTAGCAGCAGTCTGTGACTTGAC  
 TTCCACAACACTATTCTGAACAAGATCGACTAATACCTATGGCATGGTTGCACCCATTTACAACAACAG  
 TGGTTGACTTTGCTGCAACACAAGAATATGGGGTAATTGGACCACAAGTTATCAATGAACAAGAAGCTTG  
 AAGAATGCACCATGAGGTGGTACAATGATCCCAAAGATGGAAGATACTTGAAGTGGTCAAGTTGG  
 ACGACTTGGCTTTCTTTACGTGTGACCTTTACCAGGCAAGTGTGTAATTTAAGGCAACGGTGTGAGAGG  
 TGTGATGGTTCTGCTTGCACAAACATATCCGAAATGTCATATTCAGAATAAAGTTGGTGTGTTTTGATT  
 CCAACAAAAGAGTAAGTTTTCAGAAAAGACAAGGTTATAAAATCCTCACCTTTGAATATAACGAGGAGCA  
 AATTGTAATGAAATGGATAGTGCACCTAACCTCCCTATGTGTATATTCTGCAATTTCTTTTGTGA  
 AACCTAGGAAATGCAGAAAACAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG214607 representing NM\_001085543  
 Red=Cloning site Green=Tags(s)

MGLLVSRVLRCDSSLLPEQPEAIAGASYIPGSRKRKRNSLEELATSSNVHGPQNQGMPHQVNLNYIYWK  
 RVKISSNDAYQNLFLDGHDSIKIRALGRWCLHKVFLCQSGYFANILKGTWREHQVNLIIKNEIDID  
 TRSLHFVFGALYTDADLSITPLEVVPQVLAACLRRVDRVIQQCEGIMKETINRNTVCSYYLAAETRYLKA  
 VKTRCFEWLLCNLMVHPSVALYKQVLDKLMYLLALSSDLLVMQKEIDVYTTLKIWMFLYLNPCWNGMTMQ  
 LLQHANNWLSHMAVVDNISFLESEEGLIFQPVFKLRFQHIICDLTSTTILEQDRLIPMAWLSPIYKQQ  
 WLTLRLTQEVGVIQVINEQELECTMRCGTMIKPDGRYTWKWSVGRGFLPLRVTFTRQCVILRQRCQR  
 CDGSACHNHIRNVIFRITLVCFDSNKRVTFRKTTGKILTFEYNEEQIVMKLDSDALTFPMCIFCNFLFV  
 NLGNAENK

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_001085543

**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.

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

**RefSeq:** [NM\\_001085543.1](#), [NP\\_001079012.1](#)

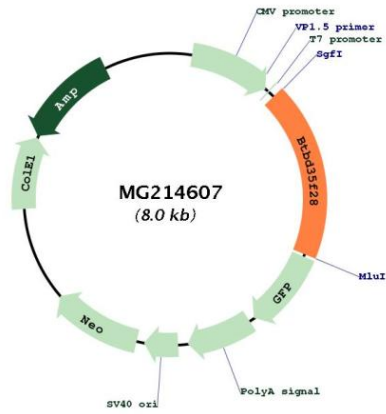
**RefSeq Size:** 1960 bp

RefSeq ORF: 1497 bp

Locus ID: 627264

Cytogenetics: X A1.1

**Product images:**



Circular map for MG214607