

## Product datasheet for **MR230248**

### **Btbd35f23 (NM\_001270667) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Btbd35f23 (NM_001270667) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Btbd35f23
Synonyms:	Gm21950; Mgclh
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR230248 representing NM\_001270667  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGGGCTTTTAGTCAGCAGGGTCTTGAGATGCAGGGATTCCAGTCTGTTAGAGCCACAGCCAGAAGGCA  
 TAGCCGGAGCCAGCTACATTCTGTCAAGCGCAAGCGAAAAAGAAACAGTTTGGAGGAGTTGGCAACAAG  
 TTCTAATGTTTCATGGACCTCAAAACCAGGGAATGTATCCACATCAAGTTCTCAACTACATCTACTGGAAA  
 AGGGTTAAGATCTCATCTAATGATGCTTATCAAACTTATTTTTGGACGGGCATGATAGCGACATTA  
 TCCGTGCTCTGGGAAGAACATGGTGTACACAAAGTATTTTTATGTCAGTCAGGCTACTTTACTAACAT  
 TCTCAAAGGACTTGGAGAGAATCACACCATGGTGTATAAATCTGATCATTAAAGATGAGGATATTGAT  
 ACCCGATCTCTGCATTTTGTGTTGGTGTGTTACACGGATGCGGATTTGTCAATAACACCTCTGGAAG  
 TTCTCAAGTTTGGCAGCAGCATGCCTGCTTCGGGTGGATCGAGTAATTCAGAAGTGTGAAGGAATCAT  
 GAAAGAACTATCAACAGGAACACTGTGTCTCTATTATTTGGCAGCAGAACTATAGATTAAGCT  
 GTAAAGACGAGATGCTTTGAATGGCTTCTTTGCAATTTGATGGTACATCCAAGTGTGGCACTTTACAAGG  
 AAGTAGATTTGAAGTTGATGTATCTTCTAGCACTGTCTTCTGACTTACTAGTCATGCAAAAGGAGATTGA  
 TGTATATACCACACTAAAAATATGGATGTTCTTTATCTTAATCCATGCTGGAACGGAACCATGAAACAG  
 CTTTTACAACACGCAAACTGGCTTTCCACCCACATGGCATATGTTGATAACATCAGTTTTCTTGAAA  
 GTGAAGAAGGACTAATTTCAACCCGTGTTAAAAAGCTGAGATTTGAGCACATCATCTGTAACCTTGAC  
 TTCCACAACTATCTTGAACAAGATCGACTAATACCTATGGCATGGTTGTCACCCATTTACAACAACAG  
 TGGTTGACTTTGCTGCGAACACAAGAATATGGGTAATGGACCACAAGTTATCAATGAACAAGAAGTTG  
 AAGAATGCACCATGAGGTGTGGTACAATGATCCCAAAGATGGAAGATATACTTGGAAAGTGGTCAAGTTGG  
 ACGACTTGGCTTTCTTTACGCGTGACCTTTACCAGGCAGTGTGTAATTTAAGGCAACGGTGTGAGAGG  
 TGTGATGGTTCTGCTTGCACAACCATATCCGAAATGTCATATTCAGAATAACTTTGGTGTGTTTTGATT  
 CCAACAAAAGAGTAACTTTAGAAAAGACAACAGGTTATAAAATCCTCACCTTTGAATATAACAGGAGCA  
 AATTGTAATGAAATTGGATAGTATGTTCTAACCTTCCCTATGTGATATTTCTGCAATTTCTTTTTGTA  
 AACCTAGGAAATGCAGAAAACAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR230248 representing NM\_001270667  
 Red=Cloning site Green=Tags(s)

MGLLVSRVLRCDSSLLEPQPEGIAGASYIPVSRKRKRNSLEELATSSNVHGPQNQGMYPHQVLYNYIYWK  
 RVKISSNDAYQNLFLDGHSDIKIRALGRTWCLHKVFLCQSGYFTNILKGTWRESHHGVINLIIKNEDID  
 TRSLHFVFGALYTDADLSITPLEVPQVLAACLRLVDRVIQKCEGIMKETINRNTVCSYLLAAETRYLKA  
 YKTRCFEWLLCNLMVHPSVALYKEVDLKLMYLLALSSDLLVMQKEIDVYTTLKIWMFLYLNPCWNGTMKQ  
 LLQHANNWLSTHMAYVDNISFLESEGLIFQPVKKLRQHIICNLSTTILEQDRLIPMAWLSPIYKQQ  
 WLTLRLTQEYGVIGPQVINEQELECTMRCGTMIPKDGRTWKWSVGRGFLPLRVTFTRQCVILRQRQR  
 CDGSACHNHIRNVIFRITLVCFDSNKRVTFRKTTGYKILTFEYNQEQIVMKLSDSVLTFPMCIFCNFLFV  
 NLGNAENK

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001270667

**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\\_001270667.1](#), [NP\\_001257596.1](#)

**RefSeq Size:** 1904 bp

**RefSeq ORF:** 1497 bp

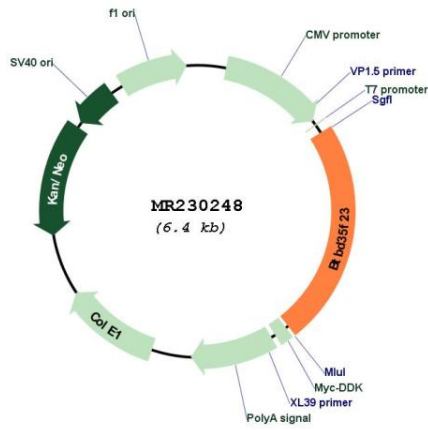
**Locus ID:** 100861966

**UniProt ID:** [Q99N64](#)

**Cytogenetics:** X

MW: 58.3 kDa

Product images:



Circular map for MR230248