

Product datasheet for **RG208823**

FBXO33 (NM_203301) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FBXO33 (NM_203301) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FBXO33
Synonyms:	BMND12; c14_5247; Fbx33
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG208823 representing NM_203301
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTTGTTGTTCTTGTCACTGCCCAGCCCGACCGCCGGGAGCTCGAACCCGAGCCGGGGCCGCCGGG
 TGGCGCGGTGGCGCGGCTGCGGCTGCAGCAGCTGCGACGGCTGCGGGGGCTGCTCCGGGTACTGCGGGG
 GCGGCCGGGAGCCGCGCAGCCGGCGGGGCGGATGGCTCTGTGCGGGCAGCGCGGGCGCTGCGTCCG
 CTGCCAGCGAGCTGATCGTGCACATCTTCTCTTTTCTGCCGGCGCCGACCGGCTGCGGGCCTCGGCT
 CCTGCTCGCACTGGCGTGAAGTGCCTCTTCTATCCGGCCCTGTGGCCCCAGCTCCGCATCTGCCTCCGCT
 CTCGCCCGCGGAGCAGCCTCGGCTGGAATTCCTCATGCGCAAGTGCAGGCTGGTTCGTGCGAGAGTGCCT
 GTTGAATTCGCCCGGAGAACTATCTGAGCGCGGTGGCCAGGGGACGGAGGTGGCGCGGACCCGGGA
 CTGGAGGGGAGGAAGTCGAGGCCCTGCAGCTCTCAGCTCGTTGGTGGAAGTGTGCGCACCTACTTGA
 GCTGGTGTCTTGGTGTGGTGCAGCATCCGGAACAACAGGAACCTTCAGAAGTTTGTCTTTTTGGAGAC
 ATAAGTGTCTACAACAGCAAGGAAGTTTGTCAAATACATACCTCAGCAAGGTGGACCCTGATGGCAAAA
 AAATTAACAATAATTCAGCAACTGTTTGAAGAAATCCTGAGTAATAGTAGGCAACTGAAATGGCTGTCTG
 TGGGTTTATGCTGGAATAGTAACCCCAACATCACTGTCACTCTCTCTAATGCTGTTGCCAACACCATG
 GAGCACCTCAGTTACTGGACAATAATTCCTGGTAACAGCACTCTTATTACTGCAGTTGAACTGGAGC
 GATTTGTGAATCTGCACTCACTTGCCTTGGATTTTGTGACTTTACAGCTGAGATGGCAAGAGTCTTAAC
 TGATAGCAACCATGTGCCTTTGCAACGACTGTCTCTTCTGTTTCAATGTTTCTGTAATGCACAAGTCT
 CTGGACAACATGCCAAATGATGAGCATTGGAAGCCCTGTACGAAAGAGCACCAGCTTTCCGGTCTATA
 TAATGGCTTTTGTATCAAGAGTGAAGATATGTTAAAGATTCTGAAACCCAGTATACCAGTAGAGGAT
 TCATTTTGTATAGCTATATCACTTGTGTTTCAGGGCTATTGTTGATCTTATATCCAGGCAATATGACAAG
 TTCTCACTCATTTTATTTAATGAATGATGTGATTGACACATCTGGTTTTCCAGATCTTAGTGACAACC
 GAAATGAAGATCCGTTGGTTTTATTAGCATGGAGGTGCACAAAGCTCTCTCTTCTGGCAATTCATGGTTA
 CACGGTGTGGGCACACAACCTCATTGCCATTGCTCGTCTTCCGGGCTCTGATCTGAAAGTCTTGAAGTC
 ACCGAAGAAAGCATTGATTTGACCAAGGTGAACTGGCCGACCAGGATGTAGATCCAGTGCATAACCTTA
 TTGAGCAGGTATCCCTGGCCTGGGTCAACCTTGGCATGCAGTCATGGACATCGAATCACTCAGTGTCTT
 CACTGAACCAATCGTCATTTTACAGAGAGATGCAAAGCTTCAGTGAAGACATT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG208823 representing NM_203301
 Red=Cloning site Green=Tags(s)

MLLFLSVPQPRPPGARTRAGAARVARWRRLRLQLRRLRGLLRVLRGRPGAGSRRRRGRMALCGQAAGAAS
 LPSELIVHIFSFLPAPDRLRASASCShwRECLFYPALWPQLRICLRVSPAEQPRLEFLMRKCGWFVREL
 VEFAAENYLSGGPGDGGADTGTGEEVEALQLSARWLEVLRTYLELVLCVLSIRNNRNLQKFSLFGD
 ISVLQQQGSLSNTYLKVDPDGKKIKQIQQLFEEILSNSRQLKWLSCGFMLEIVTPTSLSSLSNAVANTM
 EHL SLLDNNIPGNSTLITAVELERFVNLHSLALDFCDFTAEMARVLTDSNHVPLQRLSLLVHNVSVMHKS
 LDNMPNDEHWKALSRKSTSFrvYIMAFDIKSEDMLKILKPSIPLERIHFDsYITCVSGAIVDLISRQYDK
 FLTHFILMNDVIDTSGFPDLSNDRNEDPLVLLAWRCKLSLLAIHGyTVWAhNLIAIARLRGSDLKVLEV
 TEESIDFDQELADQDVPVHNLIEQVSLGLGQPWHAVMDIESLSVFTEPNRHfYREMQSFSEDI

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_203301

ORF Size: 1665 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_203301.3](#)

RefSeq Size: 3742 bp

RefSeq ORF: 1668 bp

Locus ID: 254170

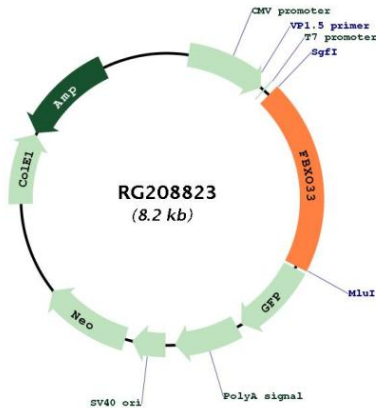
UniProt ID: [Q7Z6M2](#)

Cytogenetics: 14q21.1

Protein Families: Druggable Genome

Gene Summary: This locus represents an member of the F-box gene family. The encoded protein contains an F-box motif and a domain that might form a structure similar to a leucine-rich repeat found in placental RNase inhibitor. This locus may be associated with copy number variation of UGT2B17 (GeneID 7367), which has been associated with susceptibility to osteoporosis. [provided by RefSeq, Sep 2010]

Product images:



Circular map for RG208823