

Product datasheet for **MR200913**

Gmfb (NM_022023) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gmfb (NM_022023) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Gmfb
Synonyms: 3110001H22Rik; 3110001O16Rik; AI851627; C79176; D14Erted630e
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR200913 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTGAGTCTTTGGTGGTTTGTGATGTTGCTGAAGATTTAGTGGAAAAGCTGAGAAAGTTTCGTTTTTC
GAAAAGAAACCCACAATGCTGCTATTATAATGAAGATTGACAAGGATGAACGCCTGGTGGTGGTGGATGA
GGAGCTCGAGGGTGTCTCTCCAGATGAACCTAAAGACGAACACCCGAGCGGCAGCCTCGCTTCATTGTG
TATAGTTATAAAATACCAACATGATGATGGCAGAGTCTCGTACCCGCTCTGCTTTATTTCTCCAGTCCTG
TCGGGTGTAAGCCTGAGCAGCAGATGATGTACGCTGGGAGTAAGAACAAGCTAGTCCAGACTGCCGAGCT
AACCAAGTATTTGAAATAGAAACACTGAAGATCTAACTGAAGAATGGTTACGTGAGAAACTTGGATTT
TTCCAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR200913 protein sequence
Red=Cloning site Green=Tags(s)
MSESLVVCDAEDLVEKLRKFRFRKETHNAIIIMKIDKDERLVVLDEELEGVSPDELKDELPERQPRFIV
YSYKYQHDDGRVSYPLCFIFSSPVGCKPEQQMMYAGSKNKLVTQAE LTKVFEIRNTEDL TEEWLREKLG
FH

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_022023

ORF Size: 429 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_022023.2](#)

RefSeq Size: 4171 bp

RefSeq ORF: 429 bp

Locus ID: 63985

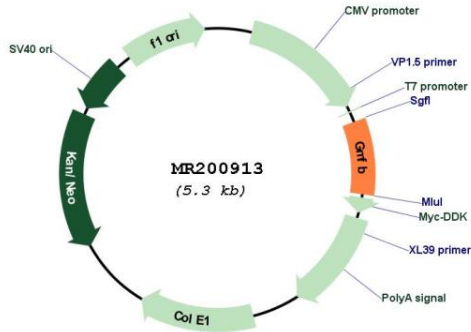
UniProt ID: [Q9CQI3](#)

Cytogenetics: 14 24.32 cM

MW: 16.7 kDa

Gene Summary: This protein causes differentiation of brain cells, stimulation of neural regeneration, and inhibition of proliferation of tumor cells.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR200913