

## Product datasheet for **MC226655**

### **Ggnbp1 (NM\_001251881) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ggnbp1 (NM\_001251881) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Ggnbp1  
**Synonyms:** 0610031G08Rik; mdf  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC226655 representing NM\_001251881  
**Red=Cloning site Blue=ORF Orange=Stop codon**

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGTGCTCAGGACCCGGCGACCCTCTCGTCTGCCTCCAGGACTGACCGACCTGGGATTGCAGACATGA  
GCTACCACACCCGGCTCACACAGACCTGGGATGTGAACCCCAAGTCCAGGGACCAGCCTGATCTCCACGC  
CCAACCACTTCAGAGAAGAGAAAGGGAGCATTTCGGCCAGGCCCTGGAGACAGAACAAGGATGCTTACAG  
TGGGTTCCGGGACCACTGGCGCTCACCCCTGGGGCCTTCATCAAGGAGGAAGAGGATGAACACTGCCCAA  
TTGAGTTTGGAGACCTCAAGCCGTCCTCTTGAAGGTGGGGTCCACCCCGTGGAACATCTCCTTGCGTT  
GTACAAGCAGCTCCAGAAGTCAGCCATGGCCAAGGCTCAGAGACCAGCTGCGCCTCAGTTGGCTCTCAAG  
GATGGCTTGCCCCACGAGGAGAAAGGGGAGAGAGAAGAAGCGGTGGATGAGAGCTGTCCCAAGTGGTGTG  
CCCCTCGCGCCTTAGCGACGAGAGCTGTCCCAAGTGGTGTGCCCGCGTGCCTCCACCTACCAGTCGCC  
GCTGCAAAAGAAGTTTAGGTCTACAGATACAGTGGGTTTTGTGGAGTCGGAGCTGAAGAAGATTCTGTCA  
GTGCAACGAGAGGCTCGCCTCTGGAAGGTGGGCAACCCCGAGGGCCGGGAGCTGCTGACCCAGCCAGACA  
TCACACTGGAGGAGGCTGGCATGGTGGACGGCCAGCACCTGCTCCTGGAGGAGATGGACGAGATGGGAAA  
CTGGCCCCCTCCAGATTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001251881  
**Insert Size:** 789 bp



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001251881.1, NP_001238810.1</u>
<b>RefSeq Size:</b>	1112 bp
<b>RefSeq ORF:</b>	789 bp
<b>Locus ID:</b>	70772
<b>Cytogenetics:</b>	17 A3.3
<b>Gene Summary:</b>	<p>Induces mitochondrial fragmentation, possibly by promoting DNM1L-dependent fission and may play a role in mitochondrial morphogenesis during spermatogenesis.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks an exon and includes two alternate exons in the 5' UTR and CDS, compared to variant 1. It encodes isoform b, which is shorter and has a distinct N-terminus, compared to isoform a.</p>