

## Product datasheet for **MC211503**

### Gpn1 (NM\_133756) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Gpn1 (NM\_133756) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Gpn1  
**Synonyms:** 2410004J02Rik; AI449615; MBDIN; NTPBP; Xab1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC211503 representing NM\_133756  
**Red**=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCGGCGCCGTGGCTCCATCCGAACCCAGGCTTCCCGGGCTCCTCAGCCCCCGTGTGTCTGTTGG  
TGTTGGGAATGGCGGGATCCGGGAAAACACCTTTGTACAGAGGCTCACAGGACACCTGCACAACAAGG  
CTGTCCACCGTATGTAATCAACCTGGACCCAGCTGTGCATGAAGTCCCCTTCCCGCCAATATTGATATC  
CGAGACACAGTAAATATAAAGAAGTCATGAAGCAATATGGACTTGGGCCAAACGGAGGTATAGTGACCT  
CACTCAACCTCTTTGCTACCAGATTTGATCAGGTGATGAAATTTATTGAGAAGGCCAGAACACATTCAG  
ATATGTCTTGATTGACACACCTGGACAGATTGAAGTATTTACCTGGTCAGCTTCAGGGACAATCATCACT  
GAGGCCCTGGCTTCTCATTTCCAACAGTAGTCATCTATGTATGGATACATCACGGAGCACTAACCCAG  
TGACCTTCATGTCCAATATGCTTTACGCATGCAGCATCTGTACAAAACCAAGCTGCCTTTCATTGTGGT  
CATGAACAAAACCGACATCATTGACCACAGCTTGGCGTGGAGTGGATGCAGGATTTTGAGGCTTCCAG  
GATGCCTTGAACCAAGAGACTACCTACGTCAGTAACCTGACTCGTTCATGAGCCTGGTGTGGATGAGT  
TCTACAGCTCACTCAGGTTGGTGGTGTGTCTGCTGTGGTGGCCACCGGCTTCGATGAACCTGTACTCA  
GGTCACCAGTGTGCAGAGGAGTACGAAAGGGAATATCGTCCTGAATACGAGCGTCTGAAGAAATCACTG  
GCAAATGCCAGAGTAATCAGCAGAAGGCAACTGGAGCGTCTTCGGAAGGATATGGGCTCCGTAGCCC  
TGGATCCAGAGGCCGGCAAAGGCAACGCATCTCCTGTGCTGGATCCTTCTGACTTGATCCTGACTCGAGG  
AACCTTGGATGAGGAGGATGAAGAAGCTGACAGTACACGGATGACATTGACCACAGAGTTACAGAGGAA  
AGCCGTGAAGAGCCAGCATTTCAAGAACTTCATGGAGGAGTCAATGGCACACTGGAAGAGGAACAAGTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAAGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_133756



<b>Insert Size:</b>	1119 bp
<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>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><a href="#">NM_133756.4</a></u> , <u><a href="#">NP_598517.1</a></u>
<b>RefSeq Size:</b>	1847 bp
<b>RefSeq ORF:</b>	1119 bp
<b>Locus ID:</b>	74254
<b>UniProt ID:</b>	<u><a href="#">Q8VCE2</a></u>
<b>Cytogenetics:</b>	5 B1
<b>Gene Summary:</b>	Small GTPase required for proper nuclear import of RNA polymerase II (RNAPII). May act at an RNAP assembly step prior to nuclear import. Forms an interface between the RNA polymerase II enzyme and chaperone/scaffolding proteins, suggesting that it is required to connect RNA polymerase II to regulators of protein complex formation. May be involved in nuclear localization of XPA.[UniProtKB/Swiss-Prot Function]