

Product datasheet for **MC226801**

Gpn2 (NM_001290742) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gpn2 (NM_001290742) Mouse Untagged Clone
Tag: Tag Free
Symbol: Gpn2
Synonyms: A1838661; Atpbd1b; R74630
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226801 representing NM_001290742
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGGGGCCGCCCGACTACGGCCTTCGGGCAGGCAGTGATCGGGCCCCGGGCTCGGGGAAGACCA
 CGTACTGCCTGGGCATGAGTGAGTTCCTGCGCGCTCTGGGGCGGCCTGGCGGTGGAACCTGGACCC
 CGCTAACGACGGACTGCCTTACGAGTGTGGGTGGACGTGGGCGAGCTGGTGGGGCTGGGCGACGTGATG
 GACGCGCTGCGCCTGGGGCCCAACGGTGGCCTGCTCTACTGCATGGAGTACCTGGAAGCCAACTGGACT
 GGCTGCGCGCCAAGCTGGAGCCCCTGCGAGGCCACTACTTTCTCTTCGACTGCCCGGCCAGCTGACTGC
 TGTCCACCTTGTGGATTCTCACTACTGCACAGACCCAGCCAAGTTCATCTCCGTCCTGTGTACCTCCCTG
 GCCACCATGCTGCACGTGGAATTGCCCCACATCAACCTCCTCTCCAAGATGGACCTTATTGAACACTATG
 GGAAGCTGGCCTTCAACCTGGACTACTACAGGAGGTCTGGACCTTCTACCTGCTTGAGCACCTGGC
 GTCTGACCCTTTCTCCGGCGCTACCGACAGCTCAATGAGAAGCTGGTGCAGCTGGTGGAAAGACTACAGC
 CTGGTCTCCTTCCATCCCCCTGAACATCCAGGACAAGGACAGCATCCAGCGAGTCTTACAGGCTGTGGATA
 AAGCTAATGGCTACTGTTTTGGGGTTCAAGAGCAGCGAAGCCTGGAAGCCATGATGTCGCTGCAATGGG
 AGCTGATTTTCACTTCTCCTCCACTCTGGGCATCCAGGAGAAGTACTTAGCACCCCTGGAGCAGACCCGCA
 GAGCAGGAAGCCATGCAGCTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001290742
Insert Size: 864 bp



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OTI Disclaimer:	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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none">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:	<u>NM_001290742.1</u> , <u>NP_001277671.1</u>
RefSeq Size:	1287 bp
RefSeq ORF:	864 bp
Locus ID:	100210
Cytogenetics:	4 D2.3
Gene Summary:	<p>Small GTPase required for proper localization of RNA polymerase II and III (RNAPII and RNAPIII). May act at an RNAP assembly step prior to nuclear import.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 5' coding region, compared to variant 1. It encodes isoform 2, which is shorter than isoform 1.</p> <p>Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>