

Product datasheet for **MC212132**

Mpig6b (NM_001033221) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mpig6b (NM_001033221) Mouse Untagged Clone
Tag: Tag Free
Symbol: Mpig6b
Synonyms: AU023871; C6orf25; G6b; Ng31
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC212132 representing NM_001033221
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCCTTGGTCCTGCCGCTGCCTTTGTTGCTCTCAAAGTCCAGGGGAATCCCGAGTTTCTTTGG
AGGGCAGCCCTGGGACCGGGTGAATCTCTCCTGCATAGGGGTCTCCGACCCACCCGCTGGGCTTGGGC
GCCTAGTTTCCCAGCATCAAGGGCTTGTCTAAAGGGCGCCGTCGATCTGTGGGCCTCGACGAGAGGG
ACCCAACTGTGCTCCAGCATTTCTCTGGCCGCTGCGTTCCCTGGACAATGGTATCAAGCGGCTAGAGC
TGCTGCTGAGCGCCGGGATTCTGGAACCTTTTTCTGCAAGGACGCCACGAGAATGAGAGTCGCACAGT
GCTTCAAGTGTTAGGGGACAAGGCAGGTTGCCGGCTGCAGGATCTACCCACGGGTACGAGTATCCCAAG
GTCCTGATCCGCTCCTGGGCGTTGGGCTGTGCTGGGACTGGGAGTCGCGGGCGTGGTCTGGCGGCGGC
GCAGAGCTGCACTACGCTGATCTGGACCACTGTCTCGGGAGGCACCGCCGGATGTCCACAGTGTT
TCTGGTGATGCCTCCACTGTCTATGCGGTT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001033221
Insert Size: 594 bp

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).



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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_001033221.3, NP_001028393.1</u>
RefSeq Size:	2252 bp
RefSeq ORF:	594 bp
Locus ID:	106722
Cytogenetics:	17 B1
Gene Summary:	<p>Inhibitory receptor that acts as a critical regulator of hematopoietic lineage differentiation, megakaryocyte function and platelet production (PubMed:23112346). Inhibits platelet aggregation and activation by agonists such as ADP and collagen-related peptide (By similarity). This regulation of megakaryocyte function as well as platelet production and activation is done through the inhibition (via the 2 ITIM motifs) of the receptors CLEC1B and GP6:FcRgamma signaling (PubMed:23112346). Appears to operate in a calcium-independent manner (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks two exons in the coding region compared to variant 1. The resulting protein (isoform 2) is shorter but has the same N- and C-termini compared to isoform 1.</p>