

## Product datasheet for **RN210305**

### **Itgb6 (NM\_001004263) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Itgb6 (NM_001004263) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Itgb6
Synonyms:	MGC94023
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN210305 representing NM\_001004263  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGGATTGAGCTGGTCTGCCTGTTCTGCTACTTCTAGGAAGGAATGATCACGTCCAAGTGGCTGTG  
 CCTGGAGTGGTGCAGAAACCTGCTCAGACTGCCTGCTCACAGGACCTCACTGCGCCTGGTCTCCAGGA  
 GAATTTACCCACCTGTCCGGAGCTGGCGAAAGGTGCGACACCCCGAGAATCTTTTAGCCAAAGGATGT  
 CAGTTACCCCTTATCGAAAACCTGTCTCCAAGTAGAAATACTTCAAAAAGCCTCTCAGCGTAGGTC  
 GACAGAAAAACAGTTCTGACATTGTTGAGATTGCTCCTCAAAGCTTGGTCTTAAGTTGAGACCAGGGGG  
 TGAGCAGACTCTGCAAGTGCAGGTCCGCCAGACGGAAGATTACCCAGTAGATCTGTATTACCTCATGGAC  
 CTCTCGGCCTCCATGGATGATGACCTCAACACAATCAAAGAGCTTGGCTCCCGGCTGGCCAAAGAGATGT  
 CTAATTAACCCAGCAACTTAGACTGGGCTTTGGCTCTTTGTGAAAAGCCGTTTCTCCTTTTATGAA  
 AACAAACCAGAGGAAATCACCAACCTTGCAGTAGATCCCCTATTTCTGCTTACCTACATTTGGATTC  
 AAGCACATTTTGCCATTGACTGATGATGCTGAGAGATTAATGAAATTGTGAGGAAACAGAAAGATTCGG  
 CTAATATTGACACGCCTGAAGGCGGATTCGATGCCATCATGCAAGCTGCTGTGTGAAGGAAAAGATTGG  
 CTGGCGCAACGACTCGCTCCACCTCCTGGTTTTGTGAGTGTGCTGATTCTCATTTTGGAAATGGACAGC  
 AAGCTGGCAGGCATTGTGATTCACACGATGGGCTCTGTCACTTGGACAACAGGAATGAATACTCCATGT  
 CAACTGTCTTGGAAATATCCAACGATCGGCCAACTATTGATAAACTGGTACAAAACACGTGCTACTGAT  
 CTTTGGCGTACCCAAGAACAAGTCCATCTCTATGAGAATTATGCGAAACTATCCCTGGAGCGACTGTG  
 GGACTGCTTCAGAAGGATTCTGGGAACATTCTCAGCTGATCATCTCCGTTACGAAGAATCTGTGCAATGG  
 AAGTGGAACTAGAAGTATTAGGAGACACAGAAGGACTCAACCTGTCTTTACAGCTCTCTGTAGCAATGG  
 CATCCTCTTCCACACCAAAAAGAAGTGTCCACATGAAAGTCGGAGATACAGCATCCTTCAACGTGTCT  
 GTGAGCATAACAACTGTGAGAAAAGAAGCAGGAACTTATCATCAAGCCTGTGGGACTTGGGGACACCC  
 TGGAAATACTCGTCAGCGCAGAATGTGACTGCGACTGCCAGAGAGAAGTAGAAGCCAACAGTTCTAAGTG  
 CCACCACGGGAATGGCTCCTTCCAGTGTGGGTGTGTGCCTGCAACCCTGGCCACATGGTCTCGCTGC  
 GAGTGGCGGAGGACATGGTGGACAGGATTCTGCAAGGAGTCCCAGGTCACCCTCCTGCAGCGGAA  
 GGGGTGACTGCTATTGTGGGCAGTGTGTCTGCCACTTGTCTCCCTATGGAAGCATCTATGGACCTTACTG  
 CCAGTGTGACAATTCTCTGTCTGAGACACAAAGGCTGCTCTGTGGAGATAATGGTACTGTGACTGT  
 GGTGAATGCGTGTCCGGATGGCTGGACGGGCGAGTACTGCAACTGTACAACCAGCAGGGATGCGTGTG  
 CATCGGAAGATGGCGTGTGTGACGCGGCGTGGGGACTGTGTCTGCGGCAAGTGTGTCTGCAGAAACCC  
 TGGAGCCTCGGGACCCACCTGTGAACGCTGCCCTACCTGTGGAGACCCCTGTAACCTCGAGACGGAGCTGC  
 ATCGAGTGTACCTGTCTGCAGATGGCCAGGCCAAGAAGAGTGGCAGGACAAGTGCAAAGCCACCGGTG  
 CCACCATCAGTGAGGAAGAGTTTTCAAAGGATACTTCTGTCCCCTGCTCGCTACAAGGAGAAAAATGAATG  
 TCTTATTACATTCCTAATAACTGCGGATAATGAAGGGAAAACCATCATTACAACATCAGTGAAAAAGAC  
 TGCCCCAAACCTCAAACATTCCCATGATCATGTTGGGGGTGTCACTGGCTATCCTGCTCATCGGTGTG  
 TGCTACTGTGATTTGGAAGCTGCTGGTATCCTTTCACGACCGGAAAGAAGTTGCTAAATTTGAAGCAGA  
 ACGATCAAAGGCCAAGTGGCAAACGGGAACCAATCCGCTGTACCGAGGCTCCACCAGCACTTTTAAGAAC  
 GTGACCTACAAACACAGGGAGAAGCACAAGTGGGCCTTTCTTCAGATGGG**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja2050\\_c08.zip](https://cdn.origene.com/chromatograms/ja2050_c08.zip)

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001004263

**Insert Size:** 2364 bp

<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<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>	<a href="#">NM_001004263.1</a> , <a href="#">NP_001004263.1</a>
<b>RefSeq Size:</b>	2818 bp
<b>RefSeq ORF:</b>	2364 bp
<b>Locus ID:</b>	311061
<b>UniProt ID:</b>	<a href="#">Q6AYF4</a>
<b>Cytogenetics:</b>	3q21
<b>Gene Summary:</b>	mouse homolog is involved in TGF-beta activation and regulation of macrophage metalloproteinase Mmp12 expression [RGD, Feb 2006]