

## Product datasheet for **RR201290**

### **Itgb8 (NM\_001108726) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Itgb8 (NM_001108726) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Itgb8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR201290 representing NM\_001108726  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCTAAAAATCCGTCCCCTGAAGAAGTACCCTGTGGATCTTTATTATCTGGTTGATGTGCAGCATCAA  
 TGCACAATAATATAGAAAATTGAATTCGGTTGGAACGATTTATCTAAAAAATGGCCCTTTTTCCCA  
 TGACTTCCGTCCTGGTTTTGGCTCATATGTGGATAAAACTGTCTCACCATACATTAGTATCCACCCGGAA  
 AGGATCCACAATCAGTGCAGTACTACAATTTAGACTGTATGCCTCCCCATGGATACATTCATGTGCTGT  
 CTCTGACAGAAAACATCACTGAGTTTGA AAAAGCAGTCCACAGACAAAAGATCTCTGAAACATAGACAC  
 TCCTGAAGGAGGTTTTGATGCCATGCTTCAGGCTGCCGCTGTGAGAGTCATATTGGATGGCGAAAAAGAA  
 GCTAAAAGATTGCTGCTGGTGTGACAGACCAGACATCACATCTCGCTCTTGACAGCAAATTGGCAGGCA  
 TAGTGGTGCCAAATGACGGAACTGCCATCTGAAAAACAATGTCTACGTCAAATCAACAACCATGGAACA  
 TCCATCATTAGGTCAACTTTCCGAAAAGTTAATAGACAACAACATAAATGTCATTTTTGAGTTC AAGGA  
 AAGCAGTTTCATTGGTACAAGGACCTTCTGCCCTTTTGCTGGTGCCATTGCTGGTGAAATAGAATCCA  
 AAGCTGCAAACTCAACAATTTAGTAGTAGAAGCCTACAAGGTTCTTTTCAATGTGACAGTTGTGATGAA  
 AACATGTGATATCATAGGAGGAAAAAATATGCAATAATCAAACCTATTGGTTTCAATGAAACCACTAAA  
 GTCCACATACACAGAAGCTGCAGTTGCCAGTGTGAGGACCACAGAGGACTCAAAGGACAGTGTGCGGAAG  
 CTGCTCCAGATCCCAAGTGTCCACAGTGTGATGACGGCAAATGTCATTTTGTGATGAAGACCAAGTTTCTTC  
 CGAAGCTTGCAAGCCACAGGAGGACCACTGTCTGCAGTGGCCGAGGTGTTGTATCTGTGGGAAATGT  
 TTATGTCACAAAACCAAGCTTGGAAAGAGTGTATGGCCAATACTGTGAGAAGGATGACTTCTTTGTCCT  
 ATCTCCATGGAGATGTGTTCTGGACATGGGGAGTGGCAAGGTGGCAGATGCCAGTCTTAAACGGCTG  
 GGAAGGGGATCGGTGTCAGTGTCCATCAGCCTCAGCACAGCACTGTGTCAACTCCAAGGGCCAAGTTTGC  
 AGCGGGAGAGGCACCTGCGTTTTGTGGCAGGAATTGTCTACAGTGCCTTACCCTCACAATCTGTCTCAAG  
 CTGTTCTTGATCAGTGTAAAGCCTCCTGTGCTGTGATGGAACAACATCCTGTGGCCCAAACATCAGAGTG  
 TTTATCTGGCCAAAGCTATCTGCGAATATTTTTCATCATATTCATAGTGACATTCTTGATTGGGTTGCTT  
 AAAGTTCTTATCATTAGACAAGTGATACTACAGTGAATAGTAATAAAAATAAAGTCTCATCAGATTACA  
 GAGTGTCTGCTTCAAAAAGGATAAACTGATTCTGCAAAGTGTTCACGAGAGCTGTAACTACCGACG  
 AGAAAAGCCTGAGGAAATAAAAATGGATATCAGCAAACCTAAACGCCCAGGAGGCTTTCAGGTGCAACTTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR201290 representing NM\_001108726  
 Red=Cloning site Green=Tags(s)

MLKIRPLKYPVDLYYLVDVSASMHNNIEKLNSVGNL SKKMALF SHDFRLGFGSYVDKTVSPYISIHPE  
 RIHNQCSYNDLDCMPPHGYIHVLSLTENITEFEKAVHRQKISGNIDTPEGGFDA MLQAAVCESHIGWRKE  
 AKRLLLVMTDQTSHLALDSKLAGIVVPNDGNCHLKNVYVKSTTMEHPSLGQLSEKLIDNNINVFVAVQG  
 KQFHWYKDLLPLLPGA IAGEIESKAANLNLVVEAYKVLFNVTVMKTCDIIGGKNYAI IKPIGFNETTK  
 VHIHRSCSQCEDHRGLKGQCAEAPDPKPCQCDGKCHFDEDFPSEACKPQEDQPVCSGRGVCICGKC  
 LCHKTKLGRVYGQYCEKDDFSCPYLHGDVCSGHGECEGGRCQCFNGWEGDRQCPSASAQHCVNSKGQVC  
 SGRGTCVCGRNCLQCLHPHNL SQA VLDQCKASCAVMEQHPVAQTSECLSGPSYLRIFFIIFIVTFLIGLL  
 KVLIIIRQVILQWNSNKIKSSSDYRVSASKKDKLILQSVCTRAVTVRREKPEEIKMDISKLNAQEAFCNF

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001108726

**ORF Size:** 1680 bp

**OTI Disclaimer:** 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. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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:**
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:** [NM\\_001108726.1](#), [NP\\_001102196.1](#)

**RefSeq Size:** 2791 bp

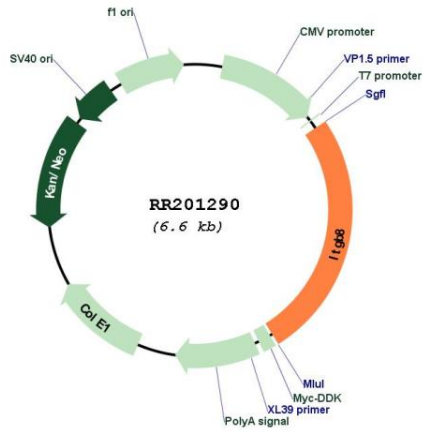
**RefSeq ORF:** 1683 bp

**Locus ID:** 362800

**Cytogenetics:** 6q33

**MW:** 62.4 kDa

Product images:



Circular map for RR201290