

Product datasheet for **RN217221**

Itgb7 (NM_013171) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Itgb7 (NM_013171) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Itgb7
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN217221 representing NM_013171
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGGTGGATTCATCAACTGTTCTCATTTTTCTGCTCGTTCTGGGCGGAGGTCAGAGTGAGTTAGATACCA
 AGATTACGTCCTCAGGGGAGACCACAGAATGGGAGGATCCTGACCTGTCTCCACAGGGATCCTGCCAGCC
 AGCTCCTTCTGCCAGAAGTGTATACTCTCACACCCAGCTGTGCATGGTGAAGCAACTGAACTTCACT
 GCCTCGGGGGAGGCAGAGGCGAGGCGCTGCGCGCGGCGTGAGGAGCTACTGGCCCGGGGTGCCCGAGC
 AGGAGCTGGAGGAGCCGAGAGGCCACCAGGAGGTGCTGCAGGACAGGCCACTCAGCCAGGGAGACCCGCG
 CGAGGGGGCCACCAGCTGGCCCGCAGCGGATCCGCGTCACGTTGCGACCAGGGGAGCCCCAGAAATTC
 CGGGTCCGCTTCTCCGAGCTGCGGGATATCCCGTGGACCTGTACTACCTTATGGACCTGAGCTATTCAA
 TGAAGGACGACTTGAACGTGTGCGACAGCTCGGGCAAGCCCTGTGCTCCGGCTGCGGGAGGTCACCCA
 TTCTGTGCGCATAGGTTTTGGCTCCTTTGTGGACAAAACGGTGCTACCCTTTGTAAGCACAGTGCCTCC
 AAGCTTAACCACCCATGCCCCAGCCGGTTGGAGCGCTGTAGGCACCCCTTCACTATCACCACGTGTTGC
 CCCTCACCAGGGATGCTCAAGCCTTCGAGAGAGAGGTGGGACGCCAGAAGCTCTCTGGCAACCTGGACTC
 ACCCGAAGGAGGCTTTGATGCCATTTTGCAGGCTGCTCTTTGCCAGGAGCAGATTGGCTGGAGAAATGTG
 TCCCGGCTTCTGGTGTTCACTTCAGACGATACGTTCCACACAGCTGGGGATGGGAAACTGGGTGGCATT
 TCATGCCCAGCGATGGGCGGTGCCACCTGGACAGCAACGGTGTCTACACTAACAGCGCAGAGTTTGACTA
 TCCCTCTGTGGCCAAAGTAGCCAGGCTCTCACAGCAGCAATATCCAACCTATCTTTGCTGTACCAGGC
 GCAACACTGCCCGTGTATCAGGAGCTGAGCCAGTTGATTCCCAAGTCTGCTGTGCGGGAGCTCAGCGAAG
 ACTCCAGCAATGTGGTGCAGCTCATCATGGATGCTTACGACAACCTGTCTACCTCCAGCTGACTTTGAACA
 CTCTTCGCTCCACCTGGAGTCAGCATCTCTTTGAGTCTCACTGTAGGAGTCTGAGAAGAGTGAGGGT
 GAGGCTGGGGACCGTGGGGACAGTGAATCATGTCCGAGTCAACCAGATGGTGGATTTCTGGGTCACTC
 TTCAAGCCTCTCACTGCCTCCAGAAGCCCATGTCTACGGCTCTGGGCCCTTGGCTTCTCAGAGGAGTT
 AACTGTGGAGCTGCACACACTGTGTGACTGCAATTGTAGTGATGCCAGCCTCGCGCTCCTTACTGCAGC
 GATGGACAGGGGACCTCAATGCGGGATATGCAGCTGTGCCCTGGCCGCTTGGTCACTGTGTGAAT
 GCTCTGAGGCTGACCTGTCTCCCGAGATTTGGAATCTGGTTGCCGGGCCCAATGGGACAGGGCCCT
 GTGCAGCGGGAAGGTCGATGCCAATGTGGACGCTGCAGTTGCAGTGGACAGAGCTCTGGCGTCTGTGC
 GAGTGTGATGATGCCAGCTGTGAGCGACACGAGGGCATCTCTGTGGAGGCTTTGGCCACTGCCAGTGTG
 GAGTGTGCTCACTGCCATGCCAACCGCACTGGCAGAGCATGTGAGTGCAGTGAAGTGTGGACAGCTGCGT
 TAGTCCCGAAGGAGGGCTCTGCAGTGGGCATGGTACTGCAAATGCAACCGTTGCCAGTGCCTGGATGGC
 TACTACGGGGCTCTGTGTGACCACTGCTAGGCTGCAAGTCAACATGTGAGCAATACAGGGACTGCGCGG
 AGTGTGGGGCGTTTGGTACGGGTCCCCTGGCAGCCAATGCAGCGCGGCTTGTGCTGACGTGAATGTGAC
 CTTGGCCTTGGCCCCAATTTGGATGATGGTTGGTGCAAAGAGAGGACGCTAGACAACCAAGCTGTTCTTC
 TTCCTGGTGGAGAATTCGGCCAGAGGGGTCACTGAGAGTGAGACCCCAAGAGAAGGGAGCAGACCACA
 CCCGTGCCATCATACTGGGCTGCGTAGGGGGCATTGTGGCAGTGGGATTAGGGCTGGTCTGGCTTACCG
 GCTCTCAGTGGAAAGTCTATGACCGCCTTGAGTACAGCCGCTTTGAGAAGGAGAGGCAGCAACTCAACTGG
 AAGCAGGACAGCAATCCTCTCTACAAAAGTGCGGTCAACAACCTACCGTCAACCCCTCGCTTCAAGGGGGCA
 ACAAACAGTCGCTGTCCCTCCCTCTGACCCAGGAGGCTGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_013171
Insert Size: 2424 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).
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_013171.1, NP_037303.1</u>
RefSeq Size:	2654 bp
RefSeq ORF:	2424 bp
Locus ID:	25713
Cytogenetics:	7q36
Gene Summary:	mediates adhesion to mucosal addressin cell adhesion molecule-1 (MAdCAM-1) [RGD, Feb 2006]