

## Product datasheet for RN215521

### Itgad (NM\_031691) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Itgad (NM_031691) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Itgad
Synonyms:	Itgax
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN215521 representing NM_031691 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCGGTGGAGTTGTGATCCTCCTGTGTGGCTGGGTCTGGCTTCTGTGCATGGGTCTAACCTGGATG  
TGGAGGAACCCATCGTGTCAGAGAGGATGCAGCCAGCTTTGGACAGACTGTGGTGCAGTTTGGTGGATC  
TCGACTCGTGGTGGGAGCCCTCTGGAGGCGGTGGCAGTCAACCAACAGGACGGTTGTATGACTGTGCA  
CCTGCCACTGGCATGTGCCAGCCATCGTACTGCGCAGTCCCCTAGAGGCAGTGAACATGTCCTGGGCC  
TGTCTCTGGTACTGCCACCAATAACGCCAGTTGCTGGCTTGTGGTCCAAGTGCACAGAGACTTGTGT  
GAAGAACATGTATGCGAAAGTTCTGCCTCCTTCTCGGCTCCAGCTTGCAGTTCATCCAGGCAGTCCCT  
GCCTCCATGCCAGAGTGTCCAAGACAAGAGATGGACATTGCTTTCCTGATTGATGGTTCTGGCAGCATT  
ACCAAAGGGACTTTGCCAGATGAAGGACTTTGTCAAAGCTTTGATGGGAGAGTTTGCAGCACCAGCAC  
CTTGTTCTCCCTGATGCAATACTCGAACATCCTGAAGACCCATTTACCTTCACTGAATCAAGAATC  
CTGGACCTCAGAGCCTGGTGGATCCCATTGTCCAGCTGCAAGGCCTGACCTACACAGCCACAGGCATCC  
GGACAGTGATGGAAGAGCTATTTATAGCAAGAATGGGTCCCGTAAAAGTGCCAAGAAGATCCTCCTTGT  
CATCACAGATGGGCAGAAATACAGAGACCCCTGGAGTATAGTGATGTCATTCGCCCGCAGACAAAAGCT  
GGCATCATTCGTTATGCTATTGGGGTGGGAGATGCCTTCCAGGAGCCACTGCCCTGAAGGAGTGAACA  
CCATTGGCTCAGCTCCCCACAGGACCAGTGTCAAGGTAGGCAACTTTCAGCAGCTTCGAGCATCCA  
GAGGCACTTCAGGAGAAAATCTTCGCCATTGAGGGAACCAATCAAGGTCAAGTGTCTCTTCAGCAC  
GAGATGCACAAGAAGTTTTCAGTTCAGCTCTCACATCGGATGGACCCGTTCTGGGGCCGTTGGGAAGCT  
TCAGCTGGTCCGGAGGTGCCTTCTTATATCCCCAAAATACGAGACCCACCTTTATCAACATGTCTCAGGA  
GAATGTGGACATGAGAGACTCCTACCTGGGTTACTCCACCGCAGTGGCCTTTTGAAGGGGGTTACAGC  
CTGATCCTGGGGCCCCGCTCACCAGCACACGGGAAGGTTGTCATCTTACCCAGGAAGCCAGGCATT  
GGAGGCCAAGTCTGAAGTCAGAGGGACACAGATCGGCTCCTACTTCGGGCCTCTCTCTGTTCTGTGGA  
CGTGGATAGAGATGGCAGCACYGACCTGGTCTGATCGGAGCCCCCATTACTATGAGCAGACCCGAGGG



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GGGCAGGTCTCAGTGTCCCCGTGCCCGTGTGAGGGCAGGTGGCAGTGTGAGGCCACCCTCCACGGGG  
 AGCAGGGCCATCCTTGGGGCCGCTTTGGGGTGGCTCTGACAGTGTGGGGGACGTAACGGGGACAATCT  
 GGCAGAGCTGGCTATTGGTGGCCCTGGAGAGGAGGAGAGCAGAGGTGCTGTCTACATATTTTCATGGAGCC  
 TCGAGACTGGAGATCATGCCCTCACCCAGCCAGCGGGTCACTGGCTCCCAGCTCTCCCTGAGACTGCAGT  
 ATTTTGGGCAGTCATTGAGTGGGGTCAAGACCTTACACAGGATGGCCTGGTGGACCTGGCCGTGGGAGC  
 CCAGGGGCACGTACTGCTGTCTCAGGAGTCTGCCTCTGCTGAAAGTGGAGCTCTCCATAAGATTGCCCCC  
 ATGGAGGTGGCAAAGGCTGTGTACCAGTCTGGGAAAGGACTCCCAGTGTCTCGAAGCTGGAGAGGCCA  
 CTGTCTGTCTCACTGTCCACAAAGGCTCACCTGACCTGTTAGGTAATGTCCAAGGCTCTGTCAGGTATGA  
 TCTGGCGTTAGATCCGGGCCGCTGATTTCTCGTGCCATTTTTGATGAGACTAAGAACTGCACCTTTGACG  
 GGAAGGAAGACTCTGGGGCTTGGTGATCACTGCGAAACAGTGAAGCTGCTTTTGGCCGACTGTGTGGAAG  
 ATGCAGTGAAGCCATCATCCTGCGCCTCAACTTTTCCCTGGTGAAGACTCTGCTTACCAGGAACCT  
 GCATCCTGTGCTGGCTGTGGCTCACAAGACCACATAACTGCTTCTGCGGTTTGAAGAAGTGAAG  
 CAAGAAGTCTGTGTGAGGGGACCTGGGCATCAGCTTAACTTCTCAGGCCTGCAGGTCTTGGTGGTGG  
 GAGGCTCCCAGAGCTCACTGTGACAGTCACTGTGTGGAATGAGGGTGAAGACAGCTATGGAAGTTAGT  
 CAAGTTCTACTACCAGCAGGGTATCTTACCAGCGGTAAACAGGACTCAGCAACCTCATCAGTACCCA  
 CTACGCTTGGCCTGTGAGGCTGAGCCCGCTGCCAGGAGGACCTGAGGAGCAGCAGCTGTAGCATTAAATC  
 ACCCCATCTTCCGAGAAGGTGCAAAGACCACCTTCATGATCACATTTCGATGTCTCTACAAGGCCTTCT  
 AGGAGACAGGTTGCTTCTGAGGGCCAAAGCCAGCAGTGAAGTAATAAGCCTGATACCAACAAGACTGCC  
 TTCCAGCTGGAGCTCCCAGTGAAGTACACCGTCTATACCTGATCAGTAGGCAAGAAGATTCCACCAACC  
 ATGTCAACTTTTCATCTTCCCACGGGGGAGAAGGCAAGAAGCCGCACATCGCTATCGTGTGAATAACCT  
 GAGTCCACTGAAGCTGGCCGTGAGAGTTAACTTCTGGTCCCTGTCTTCTGAACGGTGTGGCTGTGTGG  
 CACTGACTCTGAGCAGCCAGCACAGGGTGTCTCCTGCGTGTCCAGATGAAACCTCCTCAGAATCCCC  
 ACTTTCTGACCCAGATTCAGAGACGTTCTGTGCTGGACTGCTCCATTGCTGACTGCCTGCACCTCCGCTG  
 TGACATCCCCTCCTTGGACATCCAGGATGAACTTGACTTCACTTCTGAGGGGCAACCTCAGCTTCGGCTGG  
 GTCAGTCAAGCATTGCAGGAAAAGGTGTTGCTTGTGAGTGAAGGCTGAAATCACTTTCGACACATCTGTGT  
 ACTCCCAGCTGCCAGGACAGGAGCATTCTGAGAGCCAGGTGGAGACAACGTTAGAAGAATACGTGGT  
 CTATGAGCCCATCTTCTCGTGGCGGGCAGCTCGGTGGGAGGTCTGCTGTACTGGCTCTCATCACAGTG  
 GACTGTACAAGCTTGGCTTCTTCAAACGTCAGTACAAAGAAATGCTGGACGGCAAGGCTGCAGATCCTG  
 TCACAGCCGGCCAGGCAGATTTCCGGCTGTGAGACTCCTCCATATCTCGTGAGCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_031691
- Insert Size:** 3486 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).
- 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\\_031691.1](#), [NP\\_113879.1](#)

**RefSeq Size:** 3558 bp

**RefSeq ORF:** 3486 bp

**Locus ID:** 64350

**UniProt ID:** [Q9QYE7](#)

**Cytogenetics:** 1q37

**Gene Summary:** human homolog is the alpha X chain of integrin; interacts with beta 2 chain (ITGB2) to form a leukocyte-specific integrin [RGD, Feb 2006]