

## Product datasheet for RN203360

### Itga4 (NM\_001107737) Rat Untagged Clone

#### Product data:

|                      |  |
|----------------------|--|
| Product Type:        | Expression Plasmids  |
| Product Name:        | Itga4 (NM_001107737) Rat Untagged Clone  |
| Tag:                 | Tag Free   |
| Symbol:              | Itga4  |
| Vector:              | pCMV6-Entry (PS100001)   |
| E. coli Selection:   | Kanamycin (25 ug/mL)   |
| Cell Selection:      | Neomycin   |
| Fully Sequenced ORF: | >RN203360 representing NM_001107737<br>Red=Cloning site Blue=ORF Orange=Stop codon |

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCTGCGGAAGCGATGTGCAGACCGAGGCCCGAGGGGTGCCCCTCCAGGAAGCGGTGATGCTGTTGC  
TGTACTTCGGGGTACACTTCAGGGTACCAACCGGGCACTCTACAACCTGGACCCGGAGAGTGCCTGCT  
GTACCAGGGCCCTCCGGCACGCTGTTTGGCTACTCGGTGGTGCACAGCCACGGGACGAAGCGCTGG  
CTCATTGTGGGGCGCCCACTGCCAGCTGGCTCGCCAATGCCTCGGTGGTCAATCCTGGGGCGATTACA  
GATGCAGGATCGGAAAGAAATCCAAACCAGATCTGCGAACAGCTCCAGCTGGGAAGCCCACTGGAGAACC  
CTGTGGGAAGACGTGCTTGAAGAGAGAGATAATCAGTGGCTGGGAGTGACAATTTCCAGACAGCCAGGA  
GAAAATGGATCTATCGTGACTTGTGGGCACAGGTGAAAAATATATTTTACATGAAGAACAATAATAAAC  
TCCCCACTGGTGTGCTATGGCATGCCTTCTGATTTGCGGACAGAACTAAGTAAAAGGATGGCCCCCTG  
TTACCAAGATTTGTGAGAAAATTTGGAGAAAATTTGCATCGTGTCAAGCTGGAATATCTAGTTTTTAC  
ACACAGGATTTGATTGTGATGGGGCCCGGGATCATCGTACTGGACCGCTCCGTCTTTGTCTACAACA  
TAACTACGAACAATAACAAGGCATTTGTAGACAGACAGAACTCAAGTAAAATTTGGAAGCTACTTAGGCTA  
CTCAGTAGGAGCTGGTCAATTCGAAATCCACATACTACCGAAGTCGTGGGAGGAGCCCTCAACACGAA  
CAGATAGGAAAAGCATATATATTCAGCATTGATGAAAGCGAACTGACCATCGTATATGAAATGAAAGGTA  
AAAAGCTTGGCTTTACTTTGGAGCTTCTGTCTGTGCGGTGGACCTCAATGCAGATGGCTTCTCAGATCT  
CCTTGTGGAGCGCTATGCAGAGCACCATCAGGGAGGAAGGAAGAGTGTTCGTGTACATCAACTCTGGC  
ATGGGAGCTGTGATGGTTGAAATGGAAAGAGTGCCTCGTGGAAAGTGACAAATATGCTGCCAGGTTTGGG  
AATCCATGGCAAATCTTGGCGACATTGACAATGATGGCTTTGAAGATATTGCTATTGGCGCACCAAGA  
AGATGACTTGGAGGCGCTGTCTACATTTACAATGGCCGAGTAGATGGCATCTCCTCTACATACTCACAG  
AGAATCGAAGGACGTCAAATCAGCCAGTCACTAAGGATGTTGGACAGTCTATCTCAGGACAAATGATG  
CAGACAACAATGGATATGTTGATGTAGCGGTTGGTGCATTTTCAGTCTGATTCTGCAGTGTGCTAAGGAC  
ACGGCCTGTAGTGATTGTTGAAGCATCTTAAAGCCATCCTGAGTCAGTAAATAGAACAAAATTTGACTGT  
ACTGAAAATGGACTTCTGTCTGTGTGCGTGGATCTTAACTGTGTTTCTCATATAAGGGCAAAGAGGTCC  
CAGGCTACATCGTTTTGTTTACAATGTGAGCTTGGATGTGCACAGGAAGGCCGAGTCTCCGTCAAGATT  
TTATTTCTTCCAATGGGACTTCTGACATGATTACAAGAAGCATACGAGTTTCAAGCAGTGGAGAGAAA



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TGTAGGACACACCAGGCATTCATGCGGAAAGACGTGCGAGACATCCTCACTCCCATTGAGTTGAGGCCA  
CATAACCACCTTGGGCATCATGTGATCACCAAACGAAACACAGAGGAATCCCACCCTCCAGCCGATCCT  
TCAGCAGAAGAAAGAAAAAGACATTATTAGAAAAACGATAAACTTCGCAAGGTTTTGTGCCTATGAAAT  
TGTTCTGCTGATCTGCAGGTTTCTGCAAAAGTTGGGTTTTGAAGCCATATGAAATAAAACCTATCTTG  
CTGTTGGGAGCATGAAGACCATAATGCTAAATGTGCTTGTTCATGCTGGAGATGATGCTTATGAAAC  
TACTCTGAATGTCCAACCTCCCACAGGCCTTTATTTTATTAAAGATCTTAGACCTGGAAGAGAAACAATA  
AACTGCGACGTGACAGAGAGCTCAGGCGTAGTTAAGCTTGCTGCAGCCTCGGTTACATATACGTGGATC  
GTCTCTCAAGGATAGACATTAGCTTTCTCTGGATGTGAGCTCACTCAGCAGGGCCATGAGGACCTCAG  
CATCAACGTGCATGCCTCCTGTGAAATGAGGGTAAATTGGACCAAGTAAAGACAACAGAGTGACCTTA  
GTGATACCTCTAAGGTATGAAGTTATGCTGGCTGTTACAGGGTTTGTGACCCCAACTTCGTTTGTGTATG  
GATCCAGTGAAGAAAACGAGCCAGAAATGTGCATGGCAGAGAAATTGAACCTCACTTTCCATGTTATAAA  
CACTGGCATTAGCATGGCTCCAATGTTAGTGTGAAAATAATGGTACCAAATCTTTTCTCCCTCGAAAT  
GATAAGTTGTTCAACGTTTTGGATGTCCAGGCACTATGGGGCAGTGCCAATTTGAACACTATGGACGAG  
AGTGTGCATTAGCACAGCAAAAAGGCATAGCGGGACCTTGACCGATTTGGTCAAATTTCTATCAAAGAC  
TGATAAGAGACTCTGTATTGCATGAAAGCTGATCGACTGTTTAGATTTCTTATGTAATTTCCGGGAAA  
ATGGAAGTGGGAAGGAAGCCAGCGTTCACATTAGCTGGAAGGCAGGCCATCCGCTTGGAATGGATG  
AGACCTCATCGCTCAAATTTGAAATAAAAGCAACAGCTTTTCCAGAGCCACCCAAAAGTTATTGAGCT  
CAATAAGGATGAGAACATTGCCCATGTTTACTTGGAAAGGGCTCCATCATCAAAGACCCAAACGGCATTTC  
ACCATCGTGATTGTCACCATCAGCTTGCTCCTTGGACTTATTGTACTTTTATTAATTTATGTTATGT  
GGAAGGCTGGATTTTTTAAAAGGCAGTACAAATCTATCTACAAGAAGAAAACAGGAGAGACAGCTGGAG  
TTATGTCAACAGCAAAAGCAATGATGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001107737

**Insert Size:** 3111 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\\_001107737.1](#), [NP\\_001101207.1](#)

**RefSeq Size:** 3736 bp

**RefSeq ORF:** 3111 bp

**Locus ID:** 311144

**Cytogenetics:** 3q24

**Gene Summary:** mouse homolog is involved in adult hematopoietic cell homeostasis, regeneration, and homing [RGD, Feb 2006]