

Product datasheet for RN205165

Itgal (NM_001033998) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Itgal (NM_001033998) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Itgal
Synonyms:	LFA-1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN205165 representing NM_001033998 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGTTTCCGGATCCCTGGCCCCAGACTTCTGCTATTGGGGCTCCAGCTGTTTGTGAATGCCTGGAGCT
ACAACCTGGACACGCGGCATGCGCAGAGCTTCTTGACACAAGCTGGAAGACATTTTGGGTACCAGGTCTT
GCAGTTTGGAGATGGGGTTGTCGTGGGAGCTCCAGGAGAGGGGAACAGCACAGGAAACCTCTATCACTGT
CACCCAAGCAGCGGCTCCTGCCAGCCAGTCCACCTAGTTCTAAACATACCTCCAAATACTTGGGAATGA
CCATGGTGACAGATGCTGCCAAGGGAAGCCTTTTGGCCTGTGATCCTGGACTGTCTCGGACCTGTGATCA
GAACCCCTACCTCAGTGGGCTGTGCTACTTATTTTCCCAGAGCCTGGGAAACCTATATTACAAAATCGT
CCTGCTTATCAGGAATGTATGAAGGGCAATGTCGACCTAGTGTCTGTTTCGATGGCTCACAGAGCTTGG
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TCAACTACGTGGTGACACACGTGTTCAAAGAAGAGTCTGGTGCCAGGCCAGATGCTACCAAGGTGCTTGT
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TTCTGGACCTGCATGAAGACCTGGAGGGTCCACATTTGTTGGCAGGAACCGCTGACCTCAGATGAGAG
AGGAGTTATCTGGTTACTGTGGCCTGGCTGACCTCCCGAGCTCTAGACCACTGCTGCCAGCAGGA
GCTCCCGGTACCAGCATGTGGACAAGTCTGCTTTTCCAAGCCCAGAAGCTGGAGGACATTGGAACC
AGACTCAGAAGATAGAAGGACTCAGATCGGATCTTACTTTGGTGGGAGCTATGTAGCGTTGACCTGCA
CCAAGATGGCGAGACAGATCTGCTGCTGATTGGAGCGCCCTCTTCTACGGGGAGCAGAGAGGAGCCGA
GTGTCCGTTTACCAGAGAAGACGGTCACTGTTCCGAAATGGTCTCAGAGCTGCAGGGTGACCCAGGCTACC



CGCTTGGTCGGTTGGAGCTGCCATAAGTGCCCTGACAGACATCAATGGGGATGGGCTGACTGATGTGGC
 CGTGGGAGCCCCTCTGGAGGAGCAGGGGCTGTGTATATCTTCAATGGGAAGCCTGGTGGTTTCAGTTCC
 CAGTCAAGTCAGCGTATACCAGGAACCCAGGTGTCCCCGGGAGTCCGGTGGTTTGGACGCTCCATCCATG
 GGGTGAAGGACCTTGGAGGGGACAGGCTGGCAGATGTGGTTGTAGGAGCTGAGGGCCAGGTGATTGTGCT
 GAGCTCGAGGCCGGTGGTGGATATTGCTACTGAGCTGTCTTCTCCCCAGACGAAATCCCAGTGCATGAG
 GTGGAGTGCTCTACTCAGCCAGTCAGGAGCAGAAGGAAGGCGTCAAGCTCAAGGTGTGCTTCCAGATCC
 GCCCCTTACGTCTCAGTTTCAAGTTCGCTGCTTGGCAACCTCAGCTACACCTGCAGCTGGACGGCCA
 TCGGACGAGGAGCCGAGGTCTGTTCCCAGGAGGAAGCCGTGAGCTCGGCGAAACACATTTGTACCCCA
 GATAGGTCCTGCATGGACTTCCACTTCCACTTCCCAATCTGCATTCAAGACCTCATCTCCCTATCAATG
 TCTCTCTGAATTTCTCTTTTTGGAGGAAGAAGGATACCAAGGGACAAAAGGGGGCAGGGACATGCA
 GCCCATCCTGAGACCTTCGATCCATGCAGTCACTAAGGAGATCCCCTTTGAGAAGAACTGTGGTGGAGT
 AAGAAGTGTGAGGACAGCTGGCCCTGTACCTCCTGCCAGATCCGGAGTCTGCGTCTGATGCTCTG
 CCAGCCTTGCTGTGGAGTGGACTGAGAACTGGGAGAAGACGCTTACTGGTGCGACTGGACCTGGA
 CTTCCCCGGGGCTCTCCTTCCGAAAAGTGGAGATGCTTCAGCCACACAGCCAAATACCTGTGAGCTGC
 GAGGAGCTCACCGAGGAGTCGAGTCTCCTGACTAAGACCTGAAATGCAATGTGAGCTCTCCCATCTTCA
 AAGCAGGCAAACAGATGACCCTCCAGGTGATGTTAACACGCTACTCAACAGTTCCTGGGAGATTTTGT
 CGAGCTGAACGGCACTGTGCACTGTGAGAACGAGAAGTCAAGCCTCGGGAAGGACAACTAGCCACCACC
 CGCATTCTGTCTGTACCCTGTCAACATCCTTACTGAGGACCAGGAGAACTCCACACTCTATATCAGTT
 TCACCCCTAAAGTCCCAAGACTCAACAAGTCCAGCATATCTACAAGGTGAGGATTCAGCCTTCTGCCTA
 TGACCACAACATGCCCGCACTGGAGGCCTTGGTTGAGGTGCCGACGCTCACAGCGAGGGCCCCATCGCA
 CACACATGGACTGTGCATACGGATCCCCTTGTCACTTGGCACTGTGAGGACCTGAAGAAGCAACAGGG
 AAGTGTAGCCCTGTCTGCCTGGAGTCCAGTCCGCTGCCAATTTGCTTTCAGGCAAGAGACCTTCATCCG
 AGTGGCCGGGACTGTGGAACCTCAGAGAAAATCAAGGCCTCCTCCACACTCAGCCTCTGCAGCTCGCTC
 TAGTCTCCTTCAACAGCAGCAAGCATTTCATTTGATGGTAGCAAGGCTCCAAGGCCAGGTCTCA
 TGAAGTTGACATGATCTATGAGAAGGAGATGCTTACCTGTACGTGCTCAGCGGATTGGGGGCTATT
 GCTACTGTCCCTGATTTTCTAGCGCTCTACAAGTTGGTTTCTCAAACGGAAGCTGAAGGAGAAGATG
 GAGGCGGATGGAGGTGTTCCAAATGGAAGCCCTGGCGAAGACGCTGACCCTCTGGCAGTACCTGGGGAAG
 AGACCAAAGATATGGGCTGTCTAGAGCCCTCCGTGAGAGTGACAAGGACTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001033998
- Insert Size:** 3483 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_001033998.2](#), [NP_001029170.1](#)

RefSeq Size: 4363 bp

RefSeq ORF: 3483 bp

Locus ID: 308995

Cytogenetics: 1q37

Gene Summary: human homolog encodes the integrin alpha L chain which combines with beta 2 chain to form LFA-1 [RGD, Feb 2006]