

Product datasheet for **RN203904**

Itgam (NM_012711) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Itgam (NM_012711) Rat Untagged Clone
Tag: Tag Free
Symbol: Itgam
Synonyms: Cd11b
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >RN203904 representing NM_012711
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGACTCTTAAAGTTCTTCTGGCGACAGTCCTAACCTTGTGTCATGGCTTCAATTTGGACACTGAAAATC
CCATGACCTTCCAAGAGAATGCAAGTGGCTTCGGGCAGAGTGTGATCCAGCTTGGTGAACCCGAGTGGT
TGTTGCAGCCCCCAGGAGGTAAGGGCGTTAACCAGACAGGTGCCCTCTACCAGTGTGACTACAGCACA
AACCGGTGCGACCCCATCCCTGCAAGTACCTCCAGAGGCTGTGAATATGTCCTTGGCCCTGTCCCTGG
CTGCTACTACCGTCCCTCCAGCTGTGGCTTGTGGCCACAGTACACCAGAAGTGAAGGAGAACAC
TTACGTCAATGGATTGTGCTACCTATTCGGCTCCAACCTGCTGAGGAAGCCCAGCAGTCCAGAGGCT
CTCAGAGGATGTCTCAGCAGGAGAGCAACATTGCCTTCTTGATTGACGGCTCCGGTAGCATCAACACGA
TCGACTTTCAGAAGATGAAGAAATTTGTCTCAACTGTGATGGACCAAGTCCAAAAGTCTAAAACCTTGT
CTCTTTGATGCAGTACTCTGATGAATCCGGACTCACTTCACTTCAATGATTTCAAGAGAAACCTGAC
CCAAAATCACATGTGAGACCCATAAGGCAGTGAATGGAAGGACAAAAGTGCCTCAGGGATCCGTAAG
TAGTGAGAGAAGTGTTCAGAAAATCAATGGGGCCCGGACAATGCCGGAAGATCTAGTTGTCATCAC
AGACGGAGAAAAGTTTGGTGACCCCTAAATTATGAGGATGTCATTCTGAGGCAGAGGAAGCAGGGATC
ATTCGCTACGTTATTGGGGTGGGAAACGCCTCCACAAACCACAGTCCCGCAGAGAGCTTGACACCATCG
CGTCTAAGCCAGCTGGTGTACAGTGTCCAAGTGGACAACCTTTGAAGCTCTGAATACCATTTCGGAACCA
GCTCCAGGAAAAGATCTTTGCAATTGAGGGCACCCAGACAGGAAGTACCAGCTCCTTTGAGCATGAGATG
TCTCAAGAAGGCTTAGCGCTGCCATTACCTCAAACGGTCCCTTGTGGCTCCGTGGGAGCTTTGACT
GGGCAGGTGGAGCCTTCTGTATCCATCAAAGGATAAAGCCAGTTTCATCAACACAACCAGAATAGATTC
AGACATGAACGATGCTTACTTGGGTTATGCTTCTGCAGTCATCTCGAGGAACCCGCTCAAAGCTTGGTT
TTAGGGGCACCTCGATATCAGCATATCGGCTGGTGGTGTGTTCAAGCAGAATTCGGTGCCTGGGAGC
CCCACACTGATATCAAGGGCAGCCAGATCGGCTCTATTTGGGGCTCCCTCTGTTCTGTGGACATGGA
CGCTGATGGCAATACCACTTGATCCTCATTGGGGCCCTCATCACTATGAGAAGACCCGAGGGGCCAG



GTGTCAGTGTGCCCTTGCCCTAGGGGGAGAGCACGGTGGCAGTGTGAAGCTATTCTCCATGGCGATCAGG
 GCCATCCATGGGGTCGCTTTGGGGCAGCATTGACAGTGTGGGAGATGTGAATGGAGACAACTGACAGA
 TGTGGCCATTGGGGCCCCAGGAGAGCAGGAGAATCAGGGTGTGTCTACATTTTTTCATGGAGCATCAGTA
 GCCAGCATCAGTACCCCTCACAGCCAGCGGATCGCAGGCGCCCGCTTCTCCCCGGGCTCCAGTACTTTG
 GGCAGTCTCTGAGTGGGGCAAGGATCTCAATGGACGGCTGATGGACTTGGCTGTGGGGCGCAGGG
 GCGTCTTCTGTGATCAGAGCCCAGCCTGTGCTGAGACTGGAGGCAACCATGGAATTCAGCCCCAAGAAT
 CTAGCAAGGAGTGTGTTTGCCTGTCAAGAAGAAGTAGTCAAAAACAAGGATGCTGGGGAGGTGAGAGTCT
 GCCTCCAAGTCCGCAAGAACACCAAGGACAGGCTGCGAGAAGGAGACATCCAGAGCACTGTCACTTATGA
 CCTGGCTTTAGACCCCGCCGCTCAGTTGTCCGAGCCTTCTTTGATGAAACAAAGAACGGCATACTCAGG
 CGCATCCGGGTCTTTGGATTGACACAGAAATGTGAAACCCTGAAGCTAATTTTACCAGACTGTGTGGACA
 ACTCAGTGTGAGTCCATCATCCTGCGCCTTAATTACACACTGGTTGGGGAGCCCTTGCAGTCTTAGGGA
 CCTTCGGCCAGTCTGGCTATGGAGGCTCAGAGGATCTTACAGCTATGTTTCCCTTTGAGAAGAATTGT
 GGCAATGACACCATTTGCCAGGATGATCTCAGCATCACCGTGTGTTCCACACGCGTGAACACTTTGGTGG
 TGGGAGACTCCCGGACTTTGACGTGAGTGTGACTCTGAGAAATGATGGCGAGGATTCCTATGGACCAA
 GGTTACCTGCTATTACCCATCTGGCTTGTCTTACCGGAAGGTGTGAGCAAGCCAGAACCAGTTCTCCAAG
 AAGCCTTGGCGTGTGATAGCTGAGCCAGTCTTCTGAAGGGCAAGGGTCTGAAGAGCACCATCTGGG
 ACATAAACCATCCCATCTTTCCCGCTAATTCTGAGGTCACGTTTAAATGTCACATTTGATGTGGACTCTGA
 TGCCCTCCCTTGGGAACAACTGCTCCTCAAGGTCGTTGTGACCAGTGAGAACAACGTGTCCAGGACCGAC
 AAAACTGAGTCTCAGTTGGAGTTGCCTGTGAAGTACGCCATCTACATGGTCGTCACCAGTGGTGAGAGTT
 CTATCAAATATCTCAACTTACAGCTTACAGAGTACAGGTAAGGTCATACAGCATCAGTACCAGTTCAA
 CAACCTGGGCCAGAGGAGCTTCCCTGTGAGCGTGGTCTTCTGGATCCCTGTCCAGATCAACAAGGTGACC
 ATATGGGATCCTCCCCAGGTCACCTTCTCCAGAACCTCTCAAGTGTCTGTGCGACTGAGCAGAAATCCC
 CCTCTCACTCCAAGTCCAGGATGAGCTTGAAGGACCCAGTGTGACTGCTGTTGTCAGTCTGCA
 GAGAAATCCAGTGTGACATCCCTTCTTCAACAGTAAAGAAATATTCAACGTACCCCTCCAGGGCAATCTG
 CTATTTGACTGGTACATCGAGACTTCTCATGACCCTCTGCTTGTGAGCACTGCCGAGATCCTCTTTA
 ACGACTCCGCATTTGCCCTACTTCCGGGGCAGGAGACGTTTGTGAAGGCTCAGACAGAGACCAAAGTGG
 GCCATATACAGTTCACAATCCTGTACCCTCATTGTGGGCAGCTCCGTCGGAGGCCTGGTCTTTGGCT
 CTCATCACTGCTGGCCTATACAAGCTTGGCTTTTTCAAACGACAGTACAAGGACATGATGAATGAAGCCG
 GTGGCCAAGATGGCCACCTCAGTAA

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1271_e05.zip

Restriction Sites: SgfI-RsrII

ACCN: NM_012711

Insert Size: 3456 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_012711.1](#), [NP_036843.1](#)

RefSeq Size: 3456 bp

RefSeq ORF: 3456 bp

Locus ID: 25021

Cytogenetics: 1q37

Gene Summary: mouse homolog is an integrin alpha subunit that interacts with integrin beta 2 subunit to form Mac-1; involved in immune response [RGD, Feb 2006]