

## Product datasheet for **MC223791**

### **Itgax (NM\_021334) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Itgax (NM\_021334) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Itgax  
**Synonyms:** AI449405; Cd11c; Cr4; N418  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC223791 representing NM\_021334  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGGATCGCC

ATGAGCTGTACCTGGATAGCCTTCTCTGCTGTTGGGGTTTGTTCCTGTCTTGCTTCAACTGGATG  
 CAGAGAAGCTGACACATTTTACATGGACGGTGTGAGTTCGGACACAGTGTGCTCCAGTATGATAGTTC  
 CTGGGTGGTGGTGGAGCACAAAGGAAATAAAAGCCACTAACCAATAGGTGGCCTCTACAAATGTGGC  
 TATCACACAGGCAACTGTGAGCCATCTCCCTCCAGGTGCCCCAGAGGCTGTGAACATATCCCTGGGCC  
 TGTCCTTGTGCTGCCACCAACCCTTCTGGCTGTTGGCTTGTGGTCTACTGTGCACCACACATGCAG  
 AGAGAATATACTTGACAGGGCTCTGCTTTCTACTGAGTTCATCATTCAAGCAGAGCCAGAACTTCCCA  
 ACTGCACAGCAGGAGTGTCCAAAGCAAGACCAAGACATCGTGTTCCTGATTGATGGCTCGGGTAGCATCA  
 GTTCCACAGATTTTGAATAATGCTGGACTTTGTTAAAGCTGTGATGAGCCAGCTTCAGAGACCTAGCAC  
 ACGGTTCTCCCTGATGCAGTTCCTGATTACTCCGAGTACATTTTACTTTCAACAACCTCATCTCCACG  
 TCAAGCCCTTAAAGTCTGTTGGGTTCTGTAAGGCAGCTAAGAGGGTACACATACACAGCCTCGGCTATCA  
 AGCATGTACATAACAGAAGTGTTCACCACCAAAAGTGGAGCTCGGCAAGATGCCACCAAGTCCCTATTGT  
 CATCACTGATGGGAGAAAACAAGGGGACAACCTGAGTTATGATAGTGTATCCCATGGCAGAGGCTGCA  
 AGCATCATTCTGTTATGCAATTGGGGTAGGAAAGGCCTTTTACAATGAACATTCCAAGCAAGAATTAAGG  
 CCATTGCATCGATGCCTTCCCATGAATACGTATTACAGCGTGGAGAACTTTGATGCTTTGAAGGATATTGA  
 GAATCAGCTGAAGGAGAAGATCTTTGCCATTGAGGGCAGAGACACCAAGCAGCAGTACTTTTGAATTG  
 GAGATGTCCCAGGAGGGCTTCAGTGTGTTTACACCTGATGGACCAGTTCTGGGGGCTGTGGGAAGCT  
 TCAGCTGGTCTGGAGGTGCCTTCTGTACCCCTCAAATATGAGACCCACCTTCATCAACATGTCTCAGGA  
 GAACGAGGACATGAGGGACGCTTACCTGGTACTCCACCGCACTGGCCTTTTGAAGGGGGTCCACAGC  
 CTGATCCTGGGGCCCTCGCCACCAGCACACGGGAAGGTTGTATCTTTACCCAGGAATCCAGGCACT  
 GGAGGCCAAAGTCTGAAGTCAAGGGACACAGATCGGGCTCTACTTTGGGGCATCTCTTTGTTCTGTGGA  
 CATGGATAGAGATGGCAGCACTGACCTGGTCTGATTGGAGTCCCCATTACTATGAGCACACCCGAGGG  
 GGGCAGGTGTGAGTGTGCCCCATGCCGGTGTGGGGAGCAGGTGGCATTGTGGGACCACCTCCATGGGG



AGCAGGGCCATCCTTGGGGCCGCTTTGGGGCGGCTCTGACAGTGCTAGGGGACGTGAATGGGGACAGTCT  
 GGCAGATGTGGCTATTGGTGCACCCGGAGAGGAGGAGAACAGAGGTGCTGTCTACATATTTTCATGGAGCC  
 TCAAGACAGGACATCGCTCCCTCACCCAGCCAGAGGATTTTCAGCATCCCAGATCCCCTCCAGGATTCAAT  
 ATTTTGGGCAGTCACTGAGTGGGGCCAGGACCTCACCCGGGATGGACTGGTGGATCTGGCCGTGGGCTC  
 CAAGGGACCGTGTCTGTCTCAGGACCAGACCAATCTTAGAGTGTACCAACTGTTCACTTCACACCT  
 GCAGAGATTTCCAGGTCTGTGTTGAGTGTGAGGAGCAGGTGGCCCTGAGCAGACACTGAGTGATGCCA  
 CTGTCTGCCTTCATATTCATGAAAGCCCAAGACCAACTAGGTGACCTCCGAAGTACTGTCACCTTTGA  
 CCTGGCTCTAGACCATGGCCGTCTGAGTACCCGGGCCATCTTCAAGGAGACAAAGACCCGGGCTCTGACT  
 CGAGTTAAAACCTTGGTCTGAACAAGCACTGTGAAAGTGTGAAGTTGCTTCTCCCGGCCTGTGTGGAGG  
 ACTCAGTGACCCCGATCACTCTTCGCCTCAACTTTTCTTGTGGTGTGCCATCAGTTCCTTACAAAA  
 TCTCCAACCCATGCTGGCTGTAGATGACCAACGTACTTCACGGCCTCTTCCCTTTGAGAAGAAGTGT  
 GGAGCTGACCACATCTGCCAGGATGACCTTAGTGTGCTATTTGGCTTCCAGACTTGAAGACCCTGGTGG  
 TGGGAAGTGACCTGGAGCTGAATGTAGATGTGACGGTGTCTAATGATGGAGAAGATTCTACGGAACCAC  
 AGTCACTCTGTTCTACCCCGTGGTCTGTCTTTAGACGAGTTGCAGAAGCCAAGTATTCCTTCGGAAG  
 AAAGAGGACCAGCAGTGGCAGCGCGTGGGCGACTCCCTGCACCTCATGTGTGACAGCACCCAGACA  
 GGAGTCAAGGGCCTCTGGAGTACCAGCTGTAGCAGCAGACATGTCAATTTCCGTGGAGGCTCACAGATGAC  
 TTTTTTGGTAACTTTTGACGTCTCCCCAAAGCTGAGCTGGGGGACCCGGCTGCTTCTAAGAGCCAGAGTG  
 GGAAGTGAGAATAATGTACCCGGAACCCAAAAACACCTTCCAGTTGGAGCTTCCAGTAAAAATATGCGG  
 TGTACACCATGATCAGCAGCCATGACCAGTTTACCAAGTATCTTAACTTCTCAACCTCAGAAAAGGAGAA  
 GACCAGTGTGGTGAACATAGATTCCAGGTGAATAACCTGGGCCAGAGAGACGTGCCAGTCAGCATCAAC  
 TTTTGGGTGCCATAGAGCTGAAGGGAGAAGCTGTGTGGACAGTGTGGTCTCCACCCTCAGAACCAC  
 TCACCCAATGCTATCGGAATAGACTCAAGCCAACACAATTTGACCTCTGACTCACATGCAAAAAGAGTCC  
 CGTGTGGACTGCTCCATCGCTGACTGCCTCCGCTCCGCTGTGACATCCCCTCCTTGGGCATCCTGGAT  
 GAGCTTTACTTCACTTCTGAAGGGCAACCTCAGCTTCGGCTGGATCAGTCAGACATTGCAGAAAAAGGTGT  
 TGCTCCTGAGTGAGGCTGAAATCACATTCAACACATCTGTGTATTTCCAGCTGCCGGGACAGGAGGCATT  
 TCTGAGAGCCCAGACGAAGACAGTGTGGAGATGTATAAAGTTACAACCCCGTCCCTCTTATCGTGGGC  
 AGCTCAGTGGGAGGTCTGCTGCTGCTGGCTATCATCACAGCTATACTTTACAAGGCTGGTTTCTTCAAAC  
 GTCAGTACAAGGAGATGTTGGAGGAAGCAAATGGACAGTTTGTCTCAGACGGGACCCCAACTCCCCAGGT  
 TGCCAGTGA

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-RsrII
- ACCN:** NM\_021334
- Insert Size:** 3510 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\\_021334.2](#), [NP\\_067309.1](#)

**RefSeq Size:** 4025 bp

**RefSeq ORF:** 3510 bp

**Locus ID:** 16411

**UniProt ID:** [Q9QXH4](#)

**Cytogenetics:** 7 F3

**Gene Summary:** Integrin alpha-X/beta-2 is a receptor for fibrinogen. It recognizes the sequence G-P-R in fibrinogen. It mediates cell-cell interaction during inflammatory responses. It is especially important in monocyte adhesion and chemotaxis (By similarity).[UniProtKB/Swiss-Prot Function]