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Product datasheet for MC223271

Itga2b (NM_010575) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Itga2b (NM_010575) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Itga2b
Synonyms:	AI172977; alphaIIb; CD41; CD41B; GpIIb
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223271 representing NM_010575 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGCCAGAGCCTCCTGCGCATGGCATTCCCTGTGGCTTCTGCAGTGGACACCACTGTTCTTGGGTCCTA GTGCTGTTCCTCCAGTCTGGGCCTTGAACCTGGACTCTGAGAAGTTCTCCGTCTATGCAGGTCCCAATGG CAGCCACTTTGGCTTCTCAGTGGACTTTCATAAGGACAAACATGGAAGCGTGTCCATCGTGGTGGGCGCC CCCAGGGCCCTAAACGCAAGTCAAGAGGAGACTGGAGCCGTATTCCTGTGCCCCTGGAAGGCCAATGGTG GCAAGTGCAACCCGTTGCTCTTCGACCTCAGGGATGAGACACGAAACCTAGGCTTCCAAATTTTCCAAAC CTTCAAGACCGGGCAAGGACTTGGGGCGTCGGTCGTCAGCTGGAATGACGTCATTGTGGCCTGTGCCCCC TGGCAGCACTGGAATGTCCTGGAAAAGCGCGATGAGGCAGAGAAGACTCCGGTAGGAGGCTGCTTCTTGG CTCAGCTCCAAAGCGGGGGCCGCGCAGAGTACTCGCCCTGTCGCGCCAACACCATGAGCTCCGTTTACGC AGAGAGTTTTCGCGGAGACAAGCGATACTGTGAAGCAGGCTTCAGCTTGGCGGTGACCCAGGCTGGGGAG CTAGTGCTTGGAGCCCCTGGAGGCTACTTTTTTTTTAGGTCTCCTGGCTCGCGTTCCAATTGAGAACATCA TCTCCAGCTACCGCCCGGGTACCCTTTTGTGGCATGTTTCCAACCAGCGCTTCACCTACGACAACAGCAA CCCAGTGTTTTTCGATGGTTACCGGGGATATTCGGTAGCCGTGGGCGAGTTTGATGGGGATCCGAGCACT ACAGAGTACGTATCGGGTGCCCCCACTTGGAGCTGGACCTTGGGAGCGGTGGAAATTTTGGACTCCTACT ACCAGCCCCTGCACCGGCTTCATGGAGAACAGATGGCTTCATATTTCGGGCACTCGGTGGCAGTCACTGA CGTCAACGGGGACGGGAGGCATGACCTACTGGTGGGGGCTCCATTGTATATGGAGAGCAGGGCAGACCGC AAGCTGGCCGAGGTGGGCCGCGTTTATTTGTTTCTGCAGCCTAAGGGCCCCCAAGCTCTGAGCACACCCA CTCTCCTGCTGACTGGCACCCAGCTCTATGGGAGATTTGGATCTGCCATTGCACCCCTGGGTGACCTCAA CCGAGACGGCTATAATGATATTGCTGTGGCTGCCCCCTATGGGGGTCCCAGTGGTCAGGGCCAAGTGCTG ATATTCCTGGGTCAGAGTGAAGGGCTGAGTCCACGCCCCTCCCAGGTTCTGGACAGCCCCTTCCCCACAG GCTCTGGCTTTGGCTTCTCCCTTCGTGGTGCTGTAGACATCGATGACAATGGATACCCAGACCTGATTGT GGGAGCATATGGAGCTAGCAAGGTGGCTGTGTACAGAGCTCAGCCTGTGGTGATGGCCACTGTCCAACTG ATGGTTCAAGACTCCCTGAATCCAACACTGAAGAACTGTGTCCTGGATCAGACCAAGACACCAGTCAGCT

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GCTTCAACATCCAGATGTGTGTGGGAGCCACAGGACACAACATTCCTCAGAAGCTGCATCTAAAGGCAGA
GCTGCAGCTGGACTTACAGAAGCCCCGTCAGGGCCGCCGGGTGCTCCTGCTGGCATCCCAACAGGCGAGC
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TGCTGGGGCTGTCCAGCCTCCGCCAGAGGCCGCAGGAGCAGTTTGTGCTGCAGTCGCACGCCTGGTTCAA
CGTCTCCTCCCTACCTTACTCGGTGCCGGTGGTCAGCTTGCCCAGTGGGCAAGCTCGGGTGCAGACACAG
CTGCTTCGGGCCTTGGAGGAGAGGGCCATTCCTGTCTGGTGGGTGCTGGTGGGCGTGCTGGGCGGTCTGC
TGCTGCTGACCCTGCTAGTTTTGGCCATGTGGAAGGCTGGCTTCTTCAAGCGGAATCGACCGCCTCTGGA
GGAAGATGAAGAGGAAGAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_010575

Insert Size: 3102 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_010575.2, NP_034705.2

RefSeq Size: 3437 bp

RefSeq ORF: 3102 bp

Locus ID:	16399
UniProt ID:	Q9QUM0
Cytogenetics:	11 66.29 cM
Gene Summary:	Integrin alpha-IIb/beta-3 is a receptor for fibronectin, fibrinogen, plasminogen, prothrombin, thrombospondin and vitronectin. It recognizes the sequence R-G-D in a wide array of ligands. It recognizes the sequence H-H-L-G-G-G-A-K-Q-A-G-D-V in fibrinogen gamma chain. Following activation integrin alpha-IIb/beta-3 brings about platelet/platelet interaction through binding of soluble fibrinogen. This step leads to rapid platelet aggregation which physically plugs ruptured endothelial cell surface.[UniProtKB/Swiss-Prot Function]