

Product datasheet for **MC221799**

Itgb5 (NM_010580) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Itgb5 (NM_010580) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Itgb5
Synonyms:	AA475909; AI874634; beta-5; beta5; ESTM23; [b]-5; [b]5; [b]5A; [b]5B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221799 representing NM_010580
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCCGGGTGCCCGGACCCCTACGCCTGTCTGCTCGGGCTCTGCGCGCTCGTTCGCGCCTCGCAG
 GGCTCAACATATGCACTAGTGGAAGTGCCACCTCGTGTGAAGAATGCCTGTTGATCCACCCAAAATGTGC
 CTGGTGTCCAAAGAGTACTTTGGCAATCCACGGTCCATCACCTCTCGGTGTGACCTGAAGGCAAACCTC
 ATCCGGAATGGCTGTGAAGGTGAGATTGAGAGTCCAGCCAGCAGCACCCACGTCCTCCGGAACCTACCTC
 TCAGCAGCAAGGGTTCAGTGCCACGGGCTCTGACGTCATCCAGATGACGCCGAGGAGATTGCAGTGAG
 CCTCCGGCCAGGCGAGCAGACTACGTTCCAGCTGCAGGTGCGCCAGGTGGAGGACTACCCTGTAGACCTG
 TACTACCTGATGGACCTCCTCTCCATGAAGGATGACTTGGAGAACATCCGGAGCCTGGGCACCAAGC
 TTGCCGAGGAAATGAGGAAGCTCACTAGTAACTCCGCTTAGGTTTCGGGTCTTTTGTGACAAGGACAT
 CTCTCCTTTCTCTACACGGCACCGAGATACCAGACCAATCCGTGATTGGTTACAAGTTATCCCAAC
 TGGCTCCCTCCTTCGGGTTCCGGCATCTGCTGCCTCTCACAGACAGAGTCGACAGCTTCAACGAGGAAG
 TGAGGAAGCAGAGGGTGTCCCGAAACCGAGATGCCCCCGAGGGGGGGTTTGATGCGGTCTCCAGGCTGC
 TGTCTGCAAGGAGAAGATCGGATGGCGAAAAGATGCTCTGCACCTGCTGGTGTTCACAACAGACGATGTG
 CCCACATCGCACTGGATGGAAAACCTGGGTGGCCTGGTCCAGCCCCACGATGGCCAGTGTACCTGAATG
 AAGCCAATGAGTACACAGCCTCTAACAGATGGACTATCCATCGCTTGCCTTGTGGGGAGAAGCTGGC
 AGAGAACAATATCAACCTCATTTTTGCTGTGACGAAGAACCCTATATGCTCTACAAGAATTTACAGCC
 CTGATACCTGGAACCACTGTGGAGATTTTGCATGGAGATTCAAAAATATTATTCAACTGATTATCAATG
 CGTACAGTAGCATCCGGGCTAAAGTGGAGCTGTCACTGTGGGATCAGCCAGAAGACCTTAATCTCTTCTT
 CACTGCCACCTGCCAAGATGGCATATCTTACCCTGGTCAGAGGAAGTGTGAGGGTCTGAAGATTGGGGAC
 ACGGCATCCTTTGAAGTGTCCGTGGAGGCTCGGAGCTGCCCGGAGACAAGCAGCACAGCTTTTACCT
 TGAGGCCCGTGGGCTTCCGGGACAGTCTGCAGGTGGAAGTCGCCTACAATTGCACATGCGGCTGTAGCAC
 GGGGCTGGAGCCCAACAGTGCAGATGCAGTGGGAATGGAACATACACCTGTGGGCTGTGCGAGTGTGAC
 CCCGGCTACCTGGGCACTAGGTGCGAGTGCCAGGAGGGGAGAACCAGAGCGGGTACCAGAACCTGTGCC
 GGGAGGCAGAGGGCAAGCCTCTGTGCAGCGGGCTGGAGAGTGTAGCTGCAACCAGTGTCTCTGCTCGA
 GAGTGAGTTCGGGAGGATCTACGGACCTTCTGCGAGTGTGACAGCTTTTCTGTGCCAGAAACAAGGGC
 GTCCTATGCTCAGGCCATGGAGAGTGTCACTGTGGAGAATGCAAATGCCACGCAGTTACATTGGGGACA
 ATTGTAATGCTCAACAGACGTCAGCACATGCAGGGCCAAGGATGGGCAGATCTGCAAGTACCGAGGCCG
 TTGTGTCTGTGGCAGTGCCAGTGCACAGAGCCTGGAGCCTTTGGGGAGACGTGTGAGAAGTGCCCAACC
 TGCCCGGATGCTTGCAGCTCTAAGAGAGACTGTGTGCAATGCTTGCTACTTCACCAGGGGAAACCTGACA
 ACCAGACCTGCCACCACCAAGTGCAAAGATGAGGTGATCACGTGGGTAGACACCATCGTCAAAGATGACCA
 GGAGGCTGTGCTTTGCTTCTACAAAACCTGCTAAGGACTGCGTTATGATGTTTACAGTACACAGAACTGCC
 AATGGGAGGTCCAACCTGACGGTCTCCGGGAGCCAGAATGTGGAAGTGGCCCAATGCCATGACCATCC
 TGCTGGCTGTGGTTGGCAGCATCCTCCTGATTGGGATGGCACTCCTGGCCATCTGGAAGCTGCTCGTCAC
 CATCCACGACCCGAGAGTTTGCCAAGTTCCAAAGCCTCAAACCCCTGTACAGAAAGCCCATCTCCAC
 ACACACTGTCGATTTTCGCTTCAACAAGTTCACAATAATCCTACAATGGCTCAGTGGACTGAGGCTCCTGG
 ATGGCTGGAGGGGACTAAGGATGAAGACTCTGGCGTGCCTTGGACTTCTGGACCATTGCTCACGCTA
 G

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_010580
Insert Size: 2451 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:	<ol style="list-style-type: none">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_010580.2 , NP_034710.2
RefSeq Size:	3275 bp
RefSeq ORF:	2451 bp
Locus ID:	16419
UniProt ID:	O70309
Cytogenetics:	16 B3
Gene Summary:	<p>Integrin alpha-V/beta-5 (ITGAV:ITGB5) is a receptor for fibronectin. It recognizes the sequence R-G-D in its ligand.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate donor splice site at the penultimate coding exon compared to transcript variant 1. This results in a frame-shift, translation termination at a downstream stop codon, and a longer isoform (2) with a distinct C-terminus compared to isoform 1.</p>