

Product datasheet for RN203661

Itgb4 (NM_013180) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Itgb4 (NM_013180) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Itgb4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN203661 representing NM_013180 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCAGGGCTATGTTCCAGCCCGTGGGTGAAGCTGCTACTGGCAGTAGTGCTGAGTGCCGGTCTCCCTG
GAAACATGGCCAACCGCTGTAAGAAGGCTCAGGTGAAGAGCTGTACGGAGTGCATCCGAGTGGACAAGAG
CTGTGCCACTGCACAGACGAGCTGTTCAAGGAGCGAGCTGCAACACCCAGGCGGACGTTCTGGTGCA
GGCTGCCGGGGAGAGAGCGTGTGGTTCATGGAGAGCAGCCTTGAGATCACAGAGAACATCCAGATTGACA
CCAGCCTGCACCCGAGCCAGGTATCTCCCAAGGCCTGCAAGTGCGGCTGCGGCCGGGTGAGGAGCGCAA
CTTTGTGTTCAAGGTGTTTGGCCCTGGAGAGCCCGTGGATCTGTATATCCTCATGGACTTTTCCAAC
TCCATGTCTGATGATCTGGACAACCTCAAGCAGATGGGGCAGAACCTGGCCAAGATCCTGCGCCAGCTCA
CCAGTGACTACACTATTGGATTCGAAAGTTTGTGGACAAAGTCAGTGTCCCTCAGACGGACATGAGGCC
CGAGAAGCTGAAGGAGCCGTGGCCCAACAGCGACCCCCATTCTCCTTCAAGAAATGTTATCAGTAAACA
GAGAATGTGGAAGAATTCTGGGACAACTGCAAGGAGAACGCATCTCAGGCAACCTGGACGCTCCTGAAG
GAGGCTTCGACGCCATCCTGCAGACAGCGGTGTGCACAAGGGACATTGGCTGGAGAGCGGACAGCACCCA
CCTGCTGGTGTCTCCACCGAGTCTGCCTTCCACTATGAGGCTGATGGTGCCAACGTGCTGGCCGGCATC
ATGAACCGCAATGATGAGAAGTGCCACCTGGATGCCACAGGCGCCTACACCCAGTATAAGACCCAGGACT
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GATTCATCCAACATCGTGGAGCTGCTGGAGGAGGCTTTCTATCGAATTCGCTCCAACCTGGACATCCGGG
CTCTGGACAGCCCGAGAGGCCTGAGGACAGAGGTCACTCCGATACCCCTCAGAAGACAGAGACTGGGTC
CTTTCACATCAAGCGGGGGAAGTGGGCACATAACAATGTGCATCTTCGGGAGTGGAGGACATAGATGGG
ACACACGTGTGCCAGCTGGCCAAAGAAGACCAAGAGGTAACATCCACCTGAAACCCTCCCTTCCCGATG
GCCTCCGGATGGACGCGAGCGTCACTGTGACATGTGCGCTGCGAGCTGCAAAAAGGAAGTTCAGTGAGC
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TGCAATTGCTCCACGGGTTCCCTGAGTGACACGACGCCCTGCCTGCGTGAGGGTGGAGACAAACCATGCT
CGGGCCATGGCGAGTGCCAGTGCAGGACGTTGTGTGTGCTACGGTGAAGGCCGCTACGAGGGTCACTTCTG
CGAGTATGACAACCTCCAGTGTCCCGCACCTCTGGATTCTTTGCAATGACCGGGGACGCTGCTCCATG



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GGAGAGTGTGTGTGAGCCTGGTTGGACCGGCCGACGCTGTGACTGTCCCCTCAGCAATGCCACCTGTA
TCGATAGCAATGGGGGCATCTGCAATGGACTAGGCTTCTGTGAGTGTGGCCGTTGTCACTGCAACCAGCG
GTCTTCGCTCTACACGGACACCCTGTGAGATCAACTACTCGGCGATACGCCTGGGCTCTGTGAGGAC
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TCTTCTGTGCAACCAAGGTCACATGGTGGGCTTTAAGGAAGTCACTATATGCTGCGGGAGAACCCTG
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TGATGAGAAAACAGCTGCTGGTGGAGGCCATTGATGTCCCCTGGGCACTGCCACCCTTGGTGCAGCCTG
GTAACATCACCATCATTAAAGGAGCAAGCTAGCGGGATAGTGTCTTTGAGCAGCCTGAATACTCAGTGA
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TCGCCGCACTACCCCGTGGAGACCTGGGTGCCCGCAGAACCCCAATGCCAAGGCTGCCGATCCAGGA
AGATCCATTTCAACTGGCTGCCCTCCTGGCAAGCCAATGGGGTATAGGGTAAAATACTGGGTCCAGGG
CGACTCTGAGTCCGAAGCCACCTGCTGGACAGCAAGGTGCCCTCAGTGGAGCTACCAACCTGTATCCC
TATTGCGACTACGAAATGAAGGTGTGCGCTACGGGACACAGGGGAGGGGCCCTATAGCTCACTGGTGT
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GACCCAGCTGAGTGGGAGAACCAGCTGAAACCAACGGGAGATCACAGCCTATGAGGTCTGCTATGGA
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TGCTGCTCATTGAGAATCTTCGAGAGTCCAGCCATACCGATACAGGTAAGGGCGGAAACGGGGCAGG
ATGGGGACCCGAGAGAGAGGCTATCATCAACTGGCCACACAGCCCAAGGGCCCATGTCCATTCTATC
ATCCCAGACATCCCCATAGTGGACGCCAGGGTGGAGAAGACTACGAAAACCTTCTCATGTACAGTGACG
ACGTTCTGCGCTCCCCAGCCAGCAGCCAGAGGCCAGCGTTTCAGATGACACTGAGCACCTGGTGAATGG
CCGGATGGACTTTGCCTATCCAGGCAGTGCCAACCTCCCTGCATAGGATGACTGCTGCCAACGTGGCTAT
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ACTCTTGACGCGCACAGACCACTCTCAGTCAGGCACACTTCCCCGGGACTACTCCACTCACTTCCCT
TTCTCCCAAGGCCTCCCTCCTATCTGGGAAGATGGGAGGAGCAGGCTTCCGCTGCTCTGGACCTTGGG
TCTGGAGCCGGGCTCAGATGAAGGGTGTGCCCGCATCCAGGGGCTCACCAGACTATAATCCTGGCCG
GGCAGTACGACGCGCCTCCTGGGTACAGATTCCCCTGGGGCTATGGGTGTGCCCGACACACCCACTCG
GCTGGTGTCTCCGCCCTGGGGCCACATCTCTGAAGGTGAGCTGGCAGGAGCCACAGTGTGATCGAGCA
CTGCTGGGCTACAGCGTGAATACCAGCTACTCAACGGCGGCGAGATGCATCGGCTCAACATCCCTAACC
CTGGCCAAACCTCTGTGGTGGTAGAGGATCTCTGCCTAACCACTCCTATGTGTTCCGGGTACGGGCACA
AAGCCAGGAGGGCTGGGGCCGGGAGCGAGAGGGTGTATACCATCGAGTCCCAGGTGCACCCGAGAGC
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CTGCCCTAAGCCAGACTCTCTGACGTGAGCTGGGAGCGCCCAAGAAGGCCAACGGAGATATCCTTGG
CTACCTGGTGACCTGTGAGATGGCCCAAGGAGGAGGACCAGCCAGAACCTTCCGGGTGGATGGGGACAAC
CCTGAGAGCCGGCTGACGGTTCCTGGCCTCAGTGAAGCTTCTTACAAGTTCAAGGTGACAGGCCCGGA
CAACAGAGGGCTTTGGGCCGAGCGTGAGGGTATCATCACCATCGAGTCTCAGGATGGAGGCCCTTCCC
ACAGCTGGGCAGCCATTCTGGGCTTTCCAGAACCCTGCAAAGTGAAGTACAGCACTGTACCAGCACT
CACAGCACTACCACCACCAGCCCTTCTTATAGATGGACTAACCTGGGGACCCAGCGCTGGAAGCAG

GGGGCTCCCTCACCCGGCATGTGACCCAGGAATTTGTGAGCCGGACCCTGACCACCAAGTGGCTCTCTCAG
CACTCATATGGACCAACAGTTCTTCAAACCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_013180
Insert Size:	5424 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:	<u>NM_013180.1, NP_037312.1</u>
RefSeq Size:	5896 bp
RefSeq ORF:	5424 bp
Locus ID:	25724
UniProt ID:	<u>Q64632</u>
Cytogenetics:	10q32.1
Gene Summary:	beta subunit of integrin alpha6/beta4 which is a cell surface receptor for laminin; involved in hemidesmosome formation [RGD, Feb 2006]