OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC224937

Itgb4 (NM_001005608) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Itgb4 (NM_001005608) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Itgb4
Synonyms:	AA407042; C230078O20; CD104
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224937 representing NM_001005608 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGCAGGGCCCTGTTGCAGCCCATGGGTGAAGCTGCTGCTGCTGGCAGCAATGCTGAGTGCCAGCCTCC CTGGAGACCTGGCCAACCGCTGCAAGAAGGCTCAGGTGAAGAGCTGTACCGAGTGCATCCGGGTGGACAA GAGCTGTGCCTACTGCACAGACGAGCTGTTCAAGGAGAGGCGCTGCAACACCCAGGCGGAGCTTCTGGCT GCAGGCTGCAGGGGAGAGAGCATCCTGGTCATGGAGAGCAGCCTTGAAATCACAGAGAACACCCAGATCG ACACCAGCCTGCACCGCAGCCAGGTATCTCCCCAAGGCCTGCAAGTCCGGCTGCGGCCGGGTGAGGAGCG CAGCTTTGTGTTCCAGGTGTTTGAGCCCCTGGAGAGCCCCGTGGATCTGTATATCCTCATGGACTTCTCC AACTCCATGTCTGACGATCTGGACAACCTCAAGCAGATGGGGCAGAACCTGGCCAAGATCCTGCGCCAGC TCACCAGCGACTACACCATTGGATTTGGAAAGTTTGTGGACAAAGTCAGCGTCCCACAGACAGACATGAG GCCCGAGAAACTGAAGGAGCCCTGGCCCAACAGTGATCCCCCGTTCTCCTTCAAGAACGTTATCAGCTTA ACGGAGAATGTGGAAGAATTCTGGAACAAACTGCAAGGAGAACGCATCTCAGGCAACCTGGACGCTCCTG AAGGGGGCTTTGATGCCATCCTGCAGACAGCTGTGTGCACAAGGGACATTGGCTGGAGGGCTGACAGCAC CCACCTGCTGGTGTTCTCCACCGAGTCTGCCTTCCACTACGAGGCTGATGGTGCCAACGTGCTGGCCGGC ATCATGAACCGCAATGATGAGAAATGCCACCTGGACGCCTCGGGCGCCTACACCCAATACAAGACACAGG ACTACCCATCAGTGCCCACGCTGGTTCGCCTGCTTGCCAAGCATAACATCATCCCCATCTTTGCTGTCAC CAACTACTCTTACAGCTACTATGAGAAGCTCCATAAGTATTTCCCCGTCTCCTCTCTGGGCGTCCTGCAG GAGGATTCATCCAACATCGTGGAGCTGCTGGAGGAGGCCTTCTATCGAATTCGCTCCAACCTGGACATCC GGGCTCTGGACAGCCCCAGAGGCCTGAGAACAGAGGTCACCTCCGATACTCTCCAGAAGACGGAGACTGG GTCCTTTCACATCAAGCGGGGGGAAGTGGGCACATACAATGTGCATCTCCGGGCAGTGGAGGACATAGAT GGGACACATGTGTGCCAGCTGGCTAAAGAAGACCAAGGGGGCAACATCCACCTGAAACCCTCCTTCTCTG ATGGCCTCCGGATGGACGCGAGTGTGATCTGTGACGTGTGCCCCTGTGAGCTGCAAAAGGAAGTTCGATC AGCTCGCTGTCACTTCAGAGGAGACTTCATGTGTGGACACTGTGTGTGCAATGAGGGCTGGAGTGGCAAA ACCTGCAACTGCTCCACCGGCTCTCTGAGTGACACACAGCCCTGCCTGCGTGAGGGTGAGGACAAACCGT

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ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001005608

Insert Size: 5409 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_001005608.2, NP_001005608.2

RefSeq Size: 6160 bp

RefSeq ORF: 5409 bp

Locus ID: 192897

Cytogenetics: 11 80.91 cM

Gene Summary: Integrins are heterodimers comprised of alpha and beta subunits, that are noncovalently associated transmembrane glycoprotein receptors. Different combinations of alpha and beta polypeptides form complexes that vary in their ligand-binding specificities. Integrins mediate cell-matrix or cell-cell adhesion, and transduced signals that regulate gene expression and cell growth. This gene encodes the integrin beta 4 subunit, a receptor for the laminins. This subunit tends to associate with alpha 6 subunit and is likely to play a pivotal role in the biology of invasive carcinoma. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).