

Product datasheet for MC223349

Itga3 (NM_013565) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Itga3 (NM_013565) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Itga3
Synonyms:	AA407068; CD49C; GAPB3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223349 representing NM_013565 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGCCCCGGCCCTGCCGCTGCCCGGCCCTGGCTGGCTGCTCCGCGCTCTGGCCTTGATGGTGG
CGGCTTGGCGCCGGTGCCTTCGCCTCAACCTGGACACCCGATTCTGGTGGTGAAGGAGCGGTGAA
CCCCGGTAGCCTCTCGGCTACTCGGTCCGCTCCATCGGCAGACTGAGCGACAACAGCGCTACCTCCT
CTGGCCGGGGCTCCCCGGACCTCGCTGTGGGTGATGACTATACCAACCGGACTGGTGTGTGTACCTGT
GTCCCCTCACGGCCACAAAGGACGACTGTGAACGGATGGACATTTTCAGAGAAAAGTGACCCTGACCATCA
CATTATTGAGGATATGTGGCTTGGAGTACTGTGGCCAGCCAGGGCCCTGCAGGTAGAGTCTGGTCTGT
GCCCATCGGTACACCAAGGTGCTGTGGTCTGGGCTAGAAGACCAGCGGCGCATGGTGGGCAAGTGTATG
TGCGTGGCAATGACCTACAGCTCGACCCCGCGATGACTGGCAGACATACCACAACGAGATGTGTAACAG
CAACTGACTACTTGCAGACCGCATGTGCCAGCTGGCACCAGCGCGGCTTCACCCAGAACACCGTA
TACTTCGGTGGCCCTGGTGCCTACAACGGAAAGGAAACAGTACATGATTCAGCGGAAGGACTGGGATT
TATCTGAATATAGCTACAGGGGCTCAGAGGAGCAAGGAAACCTTTATATTGGGTACACGGTGCAGTGG
CAAGCCATCCTACATCCACGGACATCATCACTGTTGTGACGGGTGCCACGGCACCAACATATGGGC
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TAGCCAGCATCGGTGACATCAACAGGATGGATTCCAGGACATCGCTGTGGGAGCCCCATTTGAGGGCTT
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CAATATCCTCCATAGGACCTTGGTGGCCAGGCCAGCTGTGTTGGACCCTGCGCTTTGTACAGCTACCTCC
TGTGTTACAGTGGAGCTGTGTTTGCCTACAACAGAGCGCTGGGAACCCCAACTACAGGCGGAACATCA



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CCCTGGCTTACACACTGGAGGCTGACAGGGACCGACGCCACCCAGGCTCCGATTTGCCCGCAGCCAGTC
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CACTGAGGTCCACTTCCAGAAAGAGTGCGGGCCAGACAACAAGTGCACAGCAACCTGCAGATGCGAGCA
GCCTTCTGTCTGAGCAGCTGCAGCCTTAAGCAGGCTCCAGTACAGCAGAGACTAAGAACTGTTTT
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CCTAGAGGTGCCATCCGCCCTGCTACTGTCTCCGTGCGCCCGTCTGGGACCTGCCAAGCTAATAACGAG
ACCATCTGTGTGAGCTAGGAAACCCCTTCAAACGGAACCAGAGGATGGAGCTGCTCATTGCCTTTGAGG
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CAACTTGACGCCGCTACTCCTGACTTTGCAGGTGGACTACACCCTCCAGGCCTCGCTCAGCTTAATGAAT
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GACGACTACTGA
    
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_013565
- Insert Size:** 3162 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_013565.3, NP_038593.1
- RefSeq Size:** 4877 bp

RefSeq ORF: 3162 bp

Locus ID: 16400

UniProt ID: [Q62470](#)

Cytogenetics: 11 59.01 cM

Gene Summary: This gene encodes a subunit of integrin family of cell surface proteins. The encoded protein undergoes post-translational processing to form a disulfide bond-linked dimer comprised of heavy and light chains. At the cell surface, the encoded protein non-covalently associates with the integrin beta-1 subunit to form a heterodimer that interacts with many extracellular matrix proteins including fibronectin and laminin. Mice lacking the encoded protein die during the first day after birth due to severe abnormalities in kidneys. Mice lacking the encoded protein specifically in the basal layer of epidermis display several skin defects and accelerated wound healing. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Apr 2015]
Transcript Variant: This variant (1) represents the longest transcript and encodes isoform 1.