

Product datasheet for **MC216028**

Itga9 (NM_001113514) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Itga9 (NM_001113514) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Itga9
Synonyms:	(alpha)9; 2610002H11Rik; 6720458D17Rik; AI461869; D9Ert428e; D130073C02
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216028 representing NM_001113514
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGTGAGGAAGACCGGGAGCTGCCAGACCTGACACCAGTGCTTCGCTGGAAGAAGGGACAAAGGATCT
 CCCAGAAGAATCAGACAGTTTTTGAAAGGAATTGCCAATCTGAGGACTGTGCTGCCGACCTGCAGCTTCG
 GGGGAACTCCTGCTTCCAGTGTGACGAGAAAACCCACACCTGGCTTGGGGCTGTGAAAAATATC
 TCTCTAAACATCTCCATCTCCAACCTTGGAGACGACGCCTATGATGCCAACGTGCTCTTAATGTCTCCA
 GGGAACTTTTCTCATCAACATGTGGCAGAAGGAGGAGATGGGCATTTCTGTGAGCTGTGGAATCAGA
 CTTCTCAAGTGCAGTGTGGATTTCTTTTCATGAGGTCAAAGTCTAAGTATGAATTCAGTGTCTCTTT
 GATAACAAGCCACCTGTCTGGGAAGAGGAAATTCAGCTTCATCGTACTGCTCAGAGTGGCAACTTGG
 AGCGCTCTGAAGCCCTGCATGACAACACTCTCACACTGACAGTGGCCCTGGTGCATGAAGTGGACACGTC
 CATCACTGGAATTGTGTCCCAACCTCCTTCGTGTATGGCGAGTCTGTGGACGCATCCAACCTTCATTCAG
 CTGGATGACCAGGAGTGTATTTCCAACAGTCAACATTAATCTCCAGGTCTACAACATGGGTCCCAGCA
 CCCTTCTGGGTCTGTCTCAGCATCTCTTCCCAAGCCGGCTGTACCTGGTGGCGCAGAGATGTTTCA
 GGTCCAGGACATGGTGGTGGAGCCAAAGAGAAGGGTAACTGCTCTCTACAAAGAAACCCGACCCCTGCATC
 ATCCCTCAAGAACAAGAGAACATCTTCCACACCATATTTGCTTTCTTCTCCAAGTCTGGAAGAAAAGTGT
 TGGACTGTGAAAAGCCAGGGAGCTTCTGCCTAACGTTGCACTGCAACCTTAGTGTCTTCCGAAAGAGGA
 GAGCCGCACCATCAACCTATACATGCTACTGAACACAGAGATACTGAAGAAGGACAGCTCCTCTGTCTC
 CAGTTCATGGCTCGAGCCAAGGTGAAGGTGGAGCCTGCCCTGAGAGTGGTGGAGATAGCTAACGGGAACC
 CAGAAGAGACTCTGGTGGTCTTCGAGCCCTGCACAATCTGGAACCCCGTGGCTACGTTGTGGGGTGGAT
 CATCGCCATCAGTTTTGCTGGTGGGATCCTCATTTTTCTGCTGCTGGCTGTCTCCTGTGGAAGATGGGC
 TTCTTCCGCAGAAGGTACAAGAGATCATTGAAGCTGAGAAAAACCGGAAAGAGAATGAAGATGGTTGGG
 ACTGGGTCCAGAAAACCAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001113514

Insert Size: 1353 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_001113514.1](#), [NP_001106986.1](#)

RefSeq Size: 5180 bp

RefSeq ORF: 1353 bp

Locus ID: 104099

Cytogenetics: 9 70.32 cM

Gene Summary: Integrin alpha-9/beta-1 (ITGA9:ITGB1) is a receptor for VCAM1, cytotactin and osteopontin. It recognizes the sequence A-E-I-D-G-I-E-L in cytotactin.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) differs in the 5' UTR and coding region compared to variant 1. The resulting isoform (b) is shorter at the N-terminus compared to isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.