

Product datasheet for **MC223288**

Itga9 (NM_133721) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Itga9 (NM_133721) 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 |
| Fully Sequenced ORF: | >MC223288 representing NM_133721 Red=Cloning site Blue=ORF Orange=Stop codon |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGGCGGCCCGGCTGCGGCGGGACCGGCGCGGAGGGCTCCGCGCGCTGCTGCTGGCGCTGGTGGCCG
CGGGGTCGCCGCGCGCTACAACCTGGACGCGCAGCGCCCGTACGCTTCCAGGGCCCTCAGGCTC
CTTCTTCGGCTACGCGGTGCTGGAGCATTCCACGACAACACGCGCTGGTCTCTGTTGGTGCACCGAAG
GCAGATCTAAATATAGCACTTCAGTAAAGTCTCCTGGAGCTGTGTTAAGTGTGCTGCCATACCAACC
CTGACCGGAGATGCACCGAGCTGGACATGGCTCGAGGGAGGACTCGTGGTGCGCCCTGTGGGAAGACCTG
CAGGGGAGACCGGATGACGAGTGGATGGGGGTGAGCCTGGCCCGCAGCCAGAGCAGATGGCCGTGTT
TTGGCCTGTGCCATCGTTGGAAGAATCTACTACGAAGCAGACCACATCCTGCCCATGGATTCTGCT
ACCTCATCCCTTCCAACCTCCAGGCCAAAGGCAAGGTGCTGATCCCTGCTACGAAGAGTATAAGAAGAA
GTATGGGAAGAACATGGCTCCTGCCAGGCCGGAATAGCAGGCTTCTTACAGAGGAACTGGTGGTCATG
GGTGCCCCAGGCTCGTTTTATTGGGCTGGGACACTCAAGGTGCTGAACCTCACGGACAACACATATTTTA
AGTTGAACGATGAAGCGATTATGAACAGACGGTACTTATCTGGGCTATGCAGTGACGGCTGGCCACTT
CTCTCATCCATCCATCACTGATGTGGTAGGGGTGCCCCACAGGATGAAGGCATTGGAAAGTTTTATATA
TTTAGAGCTGACCGAAGATCAGGGACCTTAATAAAGATCTTTCAGGCATCAGGAAAAAAGATGGGCTCTT
ACTTCGGCTCCTCCTGTGTGACGTCGACCTGAACATGGACGGCCTCTCTGACTTGTCTGTTGGGCTCC
CATGTTTTCTGAGATCAGAGATGAGGGCAGGTACCCTACCTCAACCAAGGACATGGAGCCCTCGAG
GAACAGCTGACCCTGACTGGAGATGCCGCTACAACGCGCACTTTGGGAGAGCATCGCCAACTGGGCG
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AACCCGACCTGCGGATGTTTGGCAGTCCATATCAGGGGCATTGATATGGATGAAATGGCTATCCTG
ATGTCACCATCGAGCCTTCTGTCCGACAGCGTGGTTCTCTCAGGGCCAGACCGGTATCACGGTGGA
TGCTCTCATCTTCTGCCAGGCTCCATCAACATCACAGCACCTCAGTGTACGATGGACAACAGCCTGTG
AACTGCCTGAATGTCACCGTGTGCTTCCGGTTCATGGCAAGAATGTACCAGGAGAAATCGGTCTGAACT



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ACAATCTGACGGCTGATGTGGCACAGAAGGAGAAGGGCCAGCTGCCCAGAGTCTATTTTGTGTTGTTTGG
AGAGACGGCAGGGCAGGTCTCAGAAAGGCTGCAGCTGTCCACATGGACGAAGTGTGCATCACTACGTTG
GCCCACGTCAAGCGGAGAGTCCAGGATGTCATCAGCCCCATTGTGTTGAAGCCGCCTACAGCCTGGATG
AGCATGTGATGGGTGAGGAAGACCGGGAGCTGCCAGACCTGACACCAGTGCTTCGCTGGAAGAAGGGACA
AAGGATCTCCAGAAGAATCAGACAGTTTTTGAAGGAATTGCCAATCTGAGGACTGTGCTGCCGACCTG
CAGCTTCGGGGGAAACTCCTGCTTCCAGTGTTGACGAGAAAACCCACACCTGGCTTTGGGGGTGTGA
AAAATATCTCTAAACATCTCCATCTCCAACCTTGGAGACGACGCCTATGATGCCAACGTGTCCTTTAA
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TCATCTTTGATACAAGCCACCTGTCTGGGGAAGAGGAAATTCTCAGCTTCATCGTACTGCTCAGAGTGG
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GACACGTCCATCACTGGAATTGTGTCCCAACCTCCTTCGTGTATGGCGAGTCTGTGGACGCATCCAAC
TCATTAGCTGGATGACCAGGAGTGTCAATTCACACAGTCAACATTACTCTCCAGGTCTACAACATGGG
TCCCAGCACCTTCTGGGTCTCTGTCAGCATCTCTTCCCAGCCGGTGTCACTGGTGGCGCAGAG
ATGTTTCCAGTCCAGGACATGGTGGTGGAGCAAGAGAAGGTAAGTCTCTACAAAGAAACCCGACCC
CCTGCATCATCCCTCAAGAAACAAGAGAACATCTTCCACACCATATTTGCTTTCTTCTCCAAGTCTGGAA
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AAAGAGGAGAGCCGACCATCAACCTATACATGCTACTGAACACAGAGATACTGAAGAAGGACAGCTCT
CTGTCAATCCAGTTCATGGCTCGAGCCAAGGTGAAGGTGGAGCCTGCCCTGAGAGTGGTGGAGATAGCTAA
CGGGAACCCAGAAGAGACTCTGGTGGTCTTCGAGGCCCTGCACAACTGGAACCCCGTGGCTACGTTGTG
GGTGGATCATCGCCATCAGTTTGTGGTGGGGATCCTCATTCTTCTGCTGCTGGCTGTGCTCCTGTGGA
AGATGGGCTTCTCCGCAGAAGGTACAAGAGATCATTGAAGCTGAGAAAAACCGGAAAGAGAATGAAGA
TGGTTGGACTGGTCCAGAAAAACAGTGA
    
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_133721

Insert Size:

3111 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_133721.2](#), [NP_598482.2](#)
RefSeq Size:

7001 bp

RefSeq ORF:

3111 bp

Locus ID: 104099

UniProt ID: [B8JK39](#)

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 (1) represents the longer transcript and encodes the longer 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.