

Product datasheet for MR227346

Itga6 (NM_008397) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Itga6 (NM_008397) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Itga6
Synonyms:	5033401O05Rik; A1115430; Cd49f; VLA-6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR227346 representing NM_008397 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGTCGCGGGCCAGTTGTGCCTGCTCTACCTGTCCGCGGGCTTCTAGCCCGGCTGGGTACAGCCT
TCAACCTGGACACCCGCGAGGACAACGTGATCCGGAATCGGGGATCCCGGGAGCCTCTTCGGCTTCTC
GCTCGCCATGCACTGGCAGTTGCAGCCGAGGACAAGCGGCTGTTGCTTGTGGGGCACCTCGGGCAGAA
GCACTCCCGCTGCAGAGGGCGAACAGAACAGGGGGCTGTACAGCTGTGACATCACCTCCCGGGACCTT
GTACACGGATTGAATTTGATAATGACGCTGATCCTATGTCAGAAAGCAAGGAAGACCAGTGGATGGGAGT
CACTGTTTCAGAGCCAAGTCCAGGGGGCAAAGTGGTGACGTGTGCACATCGATATGAGAAACGGCAGCAC
GTCAACACGAAGCAGGAGTCGCGGGATATCTTTGGAAGATGTTATGTCCTAAGTCAGAATCTCAGAATTG
AAGATGATATGGACGGAGGAGACTGGAGTTTCTGCGATGGCCGGTTGAGAGGCCATGAAAAGTTGGCTC
CTGTCAGCAAGGAGTAGCGGCTACTTCACTAAGGACTTTCATTACATTGTTTTGGAGCCCCAGGGACT
TACAACTGGAAAGGGATCGTCCGTGTAGAACAAAAGAATAACACTTTTTTGGACATGAACATCTTTGAAG
ATGGGCCCTATGAAGTTGGTGGAGAGACTGATCATGATGAAAGTCTCGTCCCGTTCTGCTAACAGTTA
CCTAGGCTTTTCACTGGACTCAGGGAAGGGTATGTTTTGCTAAAAGAGACATGAAGTCCGCGCATCTGCCCTG
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AGTATATATTTGACGGAGAAGGCCTGGCTTCTCGTTTTGGCTATGATGTGGCAGTGGTGGACCTCAATGC
AGATGGGTGGCAAGACATTGTTATCGGAGCTCCACAGTATTTGATAGGGATGGTGAAGTCGGGGGTGCA
GTTTACGTCTACATTAACCAGCAAGGCAATGGAGTAATGTGAAGCCGATTCTGCTAAATGGGACCAAAG
ACTCGATGTTTGAATCTCTGTGAAAAATATAGGTGATATTAACCAAGATGGCTATCCAGATATTGCTGT
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CCAACACAGGTTCTCGAGGGGACATCGCCTTACTTCGGCTATTCAATCGTGGGAATATGGACCTGGATC
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GATTAACATTCTAAAACCATCACAGTGACTCCTAACAGAATTGACCTCCGCCAGAAGTCCATGTGTGGC



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TCACCTAGCGGGATATGCCTCAAGGTTAAAGCCTGTTTTGAATATACTGCGAAACCTCCGGTTATAACC
 CTCCAATATCAATTTTGGGTATTCTCGAAGCTGAAAAAGAAAGAAAGTCAAGGTTGTCATCGAGAGT
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 GTCACCGCTGCTGCTCAGAATATCAAGCTCCCTCACGCGGCACACTCAGGTCGAGTGACGGTGTTCCTC
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 GATGCTGGCTCTATTAGTGTTTTACTGTGGAAGTGTGGCTTCTCAAGAGAAATAAAGAAAGATCTTAC
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR227346 representing NM_008397
 Red=Cloning site Green=Tags(s)

MAVAGQLCLLYLSAGLLARLGTAFNLDTREDNVIRKSGDPGSLFGFSLAMHWQLQPEDKRLLLVGAPRAE
 ALPLQRANRTGGLYSCDITSRGPCTRIEFDNDADPMSESKEDQWMGVTVQSQGPGKVVVCAHRYEKRQH
 VNTKQESRDI FGRCYVLSQNLRIEDDMDGGDWSFCDGRLRGHEKFGSCQQGVAATFKDFHYIVFGAPGT
 YNWKGIVRVEQKNNTFFDMNIFEDGPYEVGGETHDES LVPVPANSYLGFSLDSGKGI VSKDDITFVSGA
 PRANHSGAVVLLKRDMSAHLLEPEYIFDGEGLASSFGYDVAVVDLNADGWQDIVIGAPQYFDRDGEVGG
 VVVYINQQGKWSNVKPIRLNGTKDSMFGISVKNIGDINQDGYPDIAVGAPYDDLKGVFIYHGSPTGIITK
 PTQVLEGTSPYFGYSIAGNMDLDRNSYPLAVGSLSDSVTIFRSRPVINILKTIITVTPNRIDLRLQKSMCG
 SPSGICLKVKACFEYTAKPSGYNPPISILGILEAEKERRKSGLSSRVQFRNQGSEPKYTQELTLNRQQR
 ACMEETLWLQENIRDKLRPIPTASVEIQEPSSRRRVNSLPEVLPILNSNEAKTVQTDVHFLKEGCGDDN
 VCNSNLKLEYKFGTREGNQDKFSYLPKIQKIPVLPVLDKQDIALEITVTNSPSPRPNRDKGDDAHEAKL
 IATFPDRTLTY SAYRELRAFPEKQLSCVANQNGSQADCELGNPFKRNSSVTFYLILSTTEVTFDITDLDIN
 LKLETTSNQDNLAPITAKAKVVI ELLLSVSGVAKPSQVYFGGTVVGEQAMKSEDEVGSLIEYEFVRLNGL
 KPLKNLGTATLNIQWPKEISNGKWL LYLKVESKGLEQIVCEPHNEINYLK LKESHNSRKKRELPEKQID
 DSRKFSLFPERKYQTLNCSVNVRCVNI RCPLRGLDSKASLVLRSRLWNSTFLEEYSKLN YLDILLRASID
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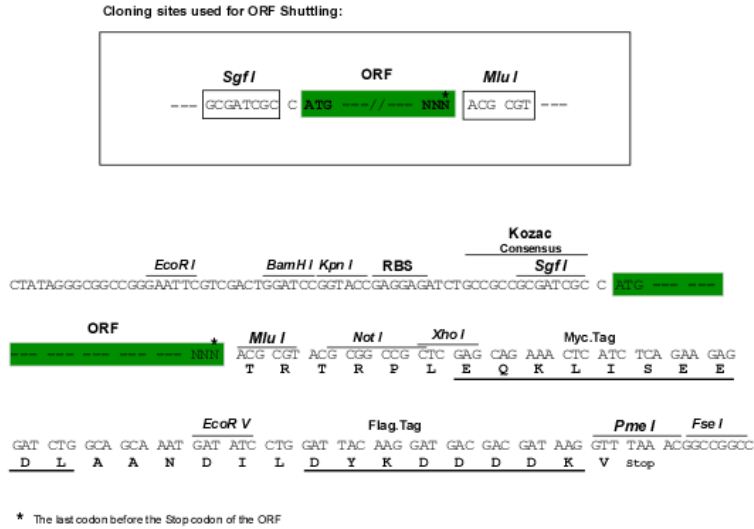
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9002_d03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_008397

ORF Size: 3219 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_008397.4](#), [NP_032423.2](#)

RefSeq Size: 4205 bp

RefSeq ORF: 3222 bp

Locus ID: 16403

Cytogenetics: 2 42.79 cM

