

Product datasheet for MR231638

Itgal (NM_001253872) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Itgal (NM_001253872) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Itgal
Synonyms: (p180); Cd11a; LFA-1; LFA-1A; Ly-15; Ly-21
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR231638 representing NM_001253872
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGATCGCC

ATGAGTTTCCGGATTGCGGGCCCCAGACTTTTGTCTACTGGGACTCCAGCTGTTTGCCAAGGCCTGGAGCT
ACAACCTGGACACACGGCTACGCAGAGCTTCTTGGCACAAGCTGGAAGACATTTTGGGTACCAGGTCTT
GCAGATTGAAGATGGGGTTGTCGTGGGAGCCCCAGGTGAGGGGGACAACACGGGAGGCCTCTACTACTGC
CGAACAAGCAGCGAGTTCTGCCAGCCAGTCAGCCTACATGGTTCTAACCATACCTCCAAGTACTTGGGAA
TGACGCTGGCAACAGATGCCGCCAAGGGAAGCCTTTTGGCCTGTGACCCTGGACTGTCTCGGACATGCGA
TCAGAACACTTACCTCAGTGGCCTCTGCTACCTTCCCCCAGAGTCTGGAGGGACCTATGTTACAAAAT
CGTCCCGCCTATCAGGAATGATGAAGGGCAAAGTCGACCTGGTGTCTGTTTCGATGGCTCACAGAGCT
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CTACCAGTTTGTGCCGTCCAGTTCTCCACAGACTGCAGAACAGAATTTACTTTCTTGGACTACGTTAAG
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ACCCGCTTGGTCGGTTTGGAGCCGCCATAACTGCCCTGACGGACATCAATGGGGATAGGCTGACTGATGT
GGCTGTGGGAGCCCTTTGGAGGAGCAGGGGGCTGTGTACATCTTCAATGGGAAGCCTGGTGGGCTCAGT
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Protein Sequence: >MR231638 representing NM_001253872
 Red=Cloning site Green=Tags(s)

MSFRIAGPRLLLGLQLFAKAWSYNLDTRPTQSFLAQAGRHFQYQVLQIEDGVVVGAPGEGDNTGGLYHC
 RTSSEFCQPVSLHGSNHTSKYLGMTLATDAAKGSLLACDPGLSRTCDQNTYLSGLCYLFPQSLGPMQLQN
 RPAYQECMKGKVDLVFLFDGSQSLDRKDFEKILEFMKDVMRKLNTSYQFAAVQFSTDCRTEFTFLDYVK
 QNKNPVLLGSVQPMFLLTNTFRAINVVAHVFKKEESGARPDATKVLVVIITDGEASDKGNISAAHDITRY
 IIGIGKHFVSVQKQKTLHFASEPVEEFVKILDTFEKLKDLFTDLQRRYIAIEGTRQDLTSFNMELSSS
 GISADLSKGHAVVGVGAKDWAGGFLDLREDLQGATFVGQEPLTSDVRGGYLGYTVAWMTRSRRPLLAA
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 RVFTYQRRQSLFEMVSELQGDGPYPLGRFGAAITALTDINGDRLTDVAVGAPLEEQGAIVFNGKPGGLS
 PQPSQRIQGAQVFPGIRWFGRSIHGVKDLGGDRLADVVGAEGRVVVLSRPVVDVVTLSFSPEEIPVH
 EVECSYSAREEQKHGVKLCACFRKPLTPQFQGRLLANLSYTLQLDGHMRMRGLFPDGSHELSGNTSIT
 PDKSCLDFHFHFPICIQDLISPINVS LNFSLLEEETPRDQKVGRAMQPILRPSIHTVTKEIPFEKNCGE
 DKKCEANLTLSSPARSGPLRLMSSASLAVEWTLSNSGEDAYWVRLDLDFPRGLSFRKVEMLQPHSRMPVS
 CEELTEGSSLLTKLTKCNVSSPIFKAGQEVSLQVMFNTLLNSWEDFVELNGTVHCENENSSLQEDNSAA
 THIPVLYPVNILTKEQENSTLYISFTPKGPKTQQVQHVYQVRIQPSAYDHNMPTEALVGPWPVHSEDPI
 TYTWSVQTDPLVTCHELDKRPSSAEQPCLPGVQFRCPIVFRREILIQVTGTVELSKEIKASSTLSLCS
 SLSVSNFSSKHFHLYGSKASEAQLVKVDLIEHEMLHVYVLSGIGGLVLLFLIFLALYKGVFFKRNLKE
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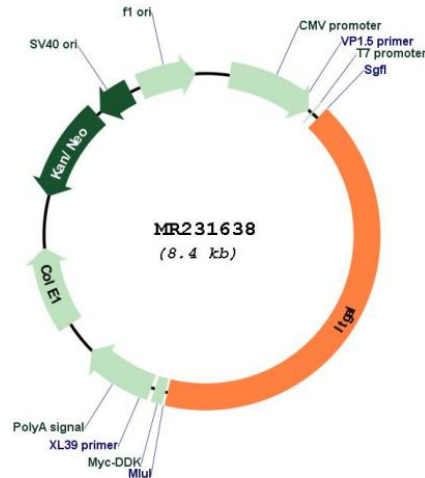
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001253872

ORF Size: 3486 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_001253872.1](#), [NP_001240801.1](#)

RefSeq Size: 5225 bp

RefSeq ORF: 3489 bp

Locus ID: 16408

Cytogenetics: 7 69.44 cM

MW: 128.8 kDa