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Product datasheet for MR231637

Itgal (NM_001253874) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Itgal (NM_001253874) 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:	>MR231637 representing NM_001253874 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGAGTTTCCGGATTGCGGGCCCCAGACTTTTGCTACTGGGACTCCAGCTGTTTGCCAAGGCCTGGAGCT ACAACCTGGACACACGGCCTACGCAGAGCTTCTTGGCACAAGCTGGAAGACATTTTGGGTACCAGGTCTT GCAGATTGAAGATGGGGTTGTCGTGGGAGCCCCAGGTGAGGGGGACAACACGGGAGGCCTCTATCACTGC CGAACAAGCAGCGAGTTCTGCCAGCCAGTCAGCCTACATGGTTCTAACCATACCTCCAAGTACTTGGGAA TGACGCTGGCAACAGATGCCGCCAAGGGAAGCCTTTTGGCCTGTGACCCTGGACTGTCTCGGACATGCGA TCAGAACACTTACCTCAGTGGCCTCTGCTACCTCTTCCCCCAGAGTCTGGAGGGACCTATGTTACAAAAT CGTCCCGCCTATCAGGAATGTATGAAGGGCAAAGTCGACCTGGTGTTTCTGTTCGATGGCTCACAGAGCT TGGATAGAAAGGACTTTGAAAAAATCCTGGAATTCATGAAGGATGTGATGAGGAAGCTCAGCAATACTTC CTACCAGTTTGCTGCCGTCCAGTTCTCCACAGACTGCAGAACAGAATTTACTTTCTTGGACTACGTTAAG CAGAACAAGAACCCCGATGTTCTGCTAGGCAGCGTGCAGCCCATGTTCTTGCTGACCAATACCTTTCGTG CCATCAACTATGTGGTGGCACACGTGTTCAAAGAAGAGTCTGGTGCCAGGCCGGATGCTACCAAGGTGCT TGTCATCATTACAGACGGGGAGGCAAGTGATAAAGGCAACATCAGTGCGGCCCACGACATAACCCGCTAC ATCATCGGGATTGGCAAGCATTTTGTGAGCGTACAAAAGCAAAAGACGCTCCACATATTTGCCTCAGAAC CTGTAGAGGAATTTGTGAAGATTCTGGACACCTTTGAGAAGCTGAAGGATCTTTTTACTGACCTGCAGAG GAGGATTTATGCTATTGAGGGCACAAACAGACAGGACCTGACATCCTTTAACATGGAACTCTCCTCCAGC GGGATCAGCGCAGACCTCAGCAAGGGCCATGCAGTTGTGGGAGCTGTTGGGGCTAAGGATTGGGCCGGGG GCTTTCTGGACCTGCGTGAAGACCTGCAGGGTGCCACATTTGTTGGGCAGGAACCGCTGACCTCAGATGT GAGAGGGGGCTACCTGGGTTACACTGTGGCCTGGATGACCTCCCGGAGCTCCAGACCCCTGCTGGCAGCA GGAGCCCCACGGTACCAGCATGTGGGACAAGTACTGCTTTTCCAAGCCCCAGAGGCTGGAGGACGTTGGA ACCAAACCCAGAAGATAGAAGGGACTCAGATCGGATCTTACTTTGGTGGGGAACTATGTAGTGTTGACCT GGACCAAGATGGCGAGGCAGAGCTGCTGCTGATTGGAGCACCCCTGTTCTTTGGGGAGCAGAGAGGAGGC CGAGTGTTCACTTACCAGAGAAGACAGTCGCTGTTTGAAATGGTCTCAGAGCTACAGGGTGACCCTGGCT

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Protein Sequence:

>MR231637 representing NM_001253874
Red=Cloning site Green=Tags(s)

MSFRIAGPRLLLLGLQLFAKAWSYNLDTRPTQSFLAQAGRHFGYQVLQIEDGVVVGAPGEGDNTGGLYHC
RTSSEFCQPVSLHGSNHTSKYLGMTLATDAAKGSLLACDPGLSRTCDQNTYLSGLCYLFPQSLEGPMLQN
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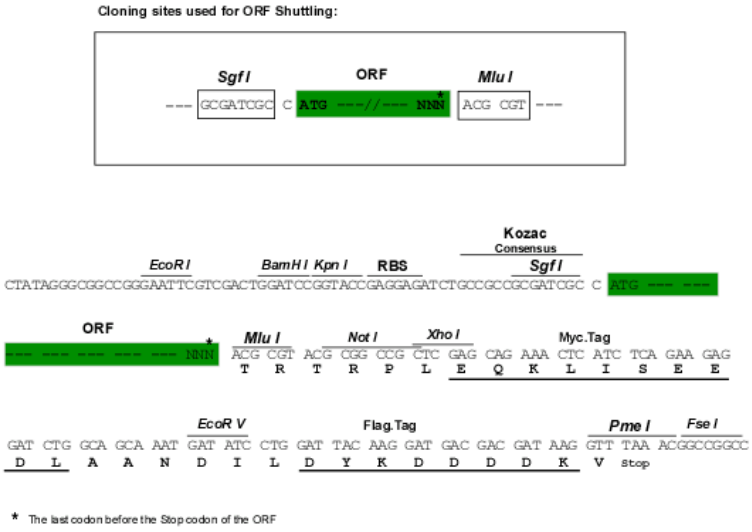
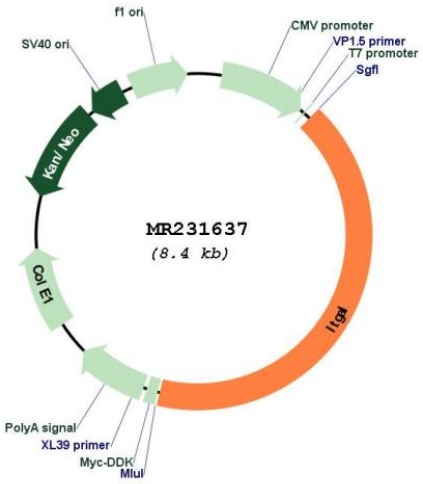
Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001253874
ORF Size:	3483 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_001253874.1, NP_001240803.1
RefSeq Size:	5222 bp
RefSeq ORF:	3486 bp
Locus ID:	16408
Cytogenetics:	7 69.44 cM
MW:	128.6 kDa