

## Product datasheet for MR227324

### Itgam (NM\_008401) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Itgam (NM_008401) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Itgam
Synonyms:	Cd11b; CD11b/CD18; CR3; CR3A; F730045J24Rik; Ly-40; Mac-1; Mac-1a; MAC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR227324 representing NM_008401 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGGATCGCC

ATGACTCTTAAAGCTCTTCTGGTCACAGCCCTAGCCTTGTGTCATGGCTTCAATCTGGACACTGAACATC  
CCATGACCTTCCAAGAGAATGCAAAAGGCTTTGGACAGAGTGTGGTCCAGCTTGGCGGAACAGTGTGGT  
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AGCCGGTGTACCCCATCCCCGCAAGTACCTCCAGAGGCTGTGAATATGTCCTTGGCCCTGTCCCTGG  
CTGTTTCTACTGTCCCCAGCAGCTGCTGGCCTGTGGCCACGGTGCACCAAACCTGCAAGGAGAATAC  
TTATGTGAATGGATTGTGCTATTTGTTTCGGCTCCAACCTGCTGAGGCCGCCAGCAGTCCAGAGGCT  
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TTGACTTTTCAAGAGATGAAGGAGTTTGTCTCAACTGTGATGGAGCAGTCAAAAAGTCTAAAACCTTGT  
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CCAAGATCACATGTGAGCCCCATAAAGCAGCTGAATGGGAGGACAAAACCTGCCTCAGGGATCCGGAAAG  
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GTGTCAGTGTGTCCCTTGCCCTCGAGGGAGGGCACGGTGGCAGTGTGAAGCTCTTCTCCACGGTGATCAGG  
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR227324 representing NM\_008401  
Red=Cloning site Green=Tags(s)

MTLKALLVTALALCHGFNLDTEHPMTFQENAKGFGQSVVQLGGTSVVVAAPQEAKAVNQTGALYQCDYST  
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 LRECPQEQESDIVFLIDGSGSINNIDFQKMKFVSTVMEQFKKSKTLFLMQYSDEFRIHFNFDFKRNP  
 PRSHVSPKQLNGRKTASGIRKVVRELFHKTNGARENAAKILVVITDGEKFGDPLDYKDVIPEADRAGV  
 IRYVIGVGNAFNKPQSRRELDTIASKPAGEHVQVDNFEALNTIQNLQEKIFAIEGTQTGSTSSFEHEM  
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 VSVCP LPRGRARWQCEALLHGDQGHPWGRFGAALTVLGDVNGDKLTDVAIGAPGEQENQGA VYIFYGASI  
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 RTQVFGMLMQKCTLKILPDCVDDSVSP IILRLNYTLVGEPLRSFGNLRPVLAMDAQRF FTAMFPFEKNC  
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 KPWFVKPAESSSSSEGHGALKSTTWNINHP IFPANSEVTFNVTFDVDSHASF GNKLL LKAI VASENNMSR  
 THKTKFQLEL PVKYAIYI MVTSDESSIRYLNFTASEMTSKVIQH QYQFN NLGQRSLPVS VVFWIPVQINN  
 VTVDHPQVIFSQNLSSACHTEQKSPPHSNFRDQLERTPVLNCSVAVCKRIQC DLPSFNTQEIFNVTLKG  
 NLSFDWYIKTSHGHL LLSSTEILFNDSAFALLPGQESYVRSKTETKVEPYEVHNPVPLIVGSSIGGLVL  
 LALITAGLYKLGFFKRQYK DMMNEAAPQDAPPQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9002\\_a08.zip](https://cdn.origene.com/chromatograms/mm9002_a08.zip)

**Restriction Sites:** SgfI-MluI

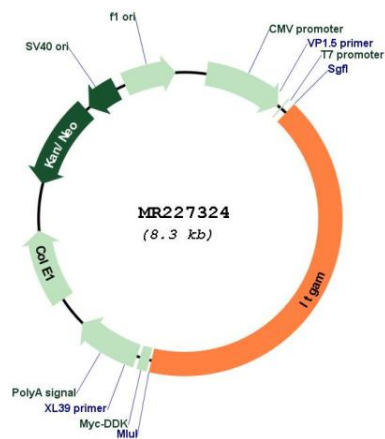
**Cloning Scheme:**



**ACCN:** NM\_008401

**ORF Size:** 3459 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u>NM_008401.2, NP_032427.2</u>
<b>RefSeq Size:</b>	4679 bp
<b>RefSeq ORF:</b>	3462 bp
<b>Locus ID:</b>	16409
<b>Cytogenetics:</b>	7 F3
<b>MW:</b>	127.9 kDa

**Product images:**


Circular map for MR227324