

Product datasheet for **MG227326**

Itgam (NM_001082960) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Itgam (NM_001082960) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Itgam |
| Synonyms: | Cd11b; CD11b/CD18; CR3; CR3A; F730045J24Rik; Ly-40; Mac-1; Mac-1a; MAC1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >MG227326 representing NM_001082960 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGACTCTTAAAGCTCTTCTGGTCACAGCCCTAGCCTTGTGTCATGGCTTCAATCTGGACTGAACATCCATGACCTTCCAAGAGAATGCAAAAGGCTTTGGACAGAGTGTGGTCCAGCTTGGCGGAACAGTGTGGTGTGGCAGCCCCCAGGAGGCAAAGGCTGTTAACCAGACAGGTGCCCTCTACCAGTGTGACTACAGCACAAGCCGGTGTACCCCATCCCCGCAAGTACCTCCAGAGGCTGTGAATATGTCCTTGGCCCTGTCCCTGGCTTTTCTACTGTCCCCAGCAGCTGCTGGCCTGTGGCCACGGTGCACAAAAGTGAAGGAGAATAC TTATGTGAATGGATTGTGCTATTTGTTTCGGCTCCAACCTGCTGAGGCCGCCCAGCAGTCCAGAGGCT CTCAGAGAATGTCTCAGCAGGAGAGTGACATTGTCTTCTTGATTGATGGCTCCGGTAGCATCAACAACA TTGACTTTTCAAGAGATGAAGGAGTTTGTCTCAACTGTGATGGAGCAGTCAAAAAGTCTAAAACCTTGT CTCTTTGATGCAGTACTCGGACGAGTCCGGATTCACTTCACTTCAATGACTTCAAGAGAAACCTAGC CCAAGATCACATGTGAGCCCCATAAAGCAGCTGAATGGGAGGACAAAAGTGCCTCAGGGATCCGGAAAG TAGTGAGAGAAGTGTTCACAAAACCAATGGGGCCCGGAGAATGCTGCGAAGATCTAGTTGTCATCAC AGATGGAGAAAAATTTCGGTGTCCCTTGGATTATAAGGATGTCATCCCCGAGGCAGACAGAGCAGGGGTC ATTCGCTACGTAATTGGGGTGGGAAATGCCTTCAACAAACCACAGTCCCGCAGAGAGCTCGACACCATCG CATCTAAGCCAGCTGGTGAACACAGTGTTCGAAGTGGACAACCTTTGAAGCCCTGAATACCATTCAAGACCA GCTTCAGGAAAAGATCTTTGCAATTGAGGGCACGACAGAGGAAGTACCAGCTCCTTTGAGCATGAGATG TCTCAAGAAGGCTTCACTGCTTCCATTACCTCTAATGGTCCCTTGTGGCTCTGTGGGAGCTTTGACT GGGCAGGTGGAGCCTTCTGTATACATCGAAGGATAAAGTCACTTCAACACAACCAGAGTGGATTC AGACATGAATGATGCTTACCTGGGTTATGCTTCTGCAGTCATCTTGGGAAACCGTGTCCAAAGCTTGGTT TTAGGAGCACCTCGGTATCAGCATATTGGCTTGGTGGTGTGTTCCAGGAGAATTTCCGTACCTGGGAGC CCCACACTAGCATCAAGGGCAGCCAGATTGGCTCTTATTTGGGGCTCCCTTTGCTCTGTGGACATGGA CGCTGATGGCAATACCACTTGATCCTCATTGGGGCCCTCATTACTATGAGAAGACCCGAGGAGCCAG



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GTGTCAGTGTGTCCCTTGCCCTCGAGGGCAGAGGGCACGGTGGCAGTGTGAAGCTTCTCCACGGTGATC
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CAAAGTGGAGCCATATGAAGTTCACAATCCTGTACCACTCATTGTGGGCAGCTCCATTGGGGCCTGGTG
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

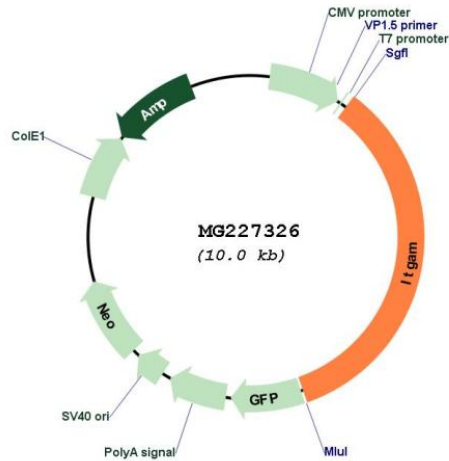
Protein Sequence: >MG227326 representing NM_001082960
 Red=Cloning site Green=Tags(s)

MTLKALLVTALALCHGFNLDTEHPMTFQENAKGFGQSVVQLGGTSVVVAAPQEAKAVNQTGALYQCDYST
 SRCHPIPLQVPPEAVNMSLGLSLAVSTVPQQLLACGPTVHQNCKENTYVNGLCYLFGSNLLRPPQFPEA
 LRECPQQESDIFVLIDGSGSINNIDFQKMKFVSTVMEQFKKSKTLFSLMQYSDEFRIHFNFDFKRNP
 PRSHVSPKQLNGRKTASGIRKVVRELFHKTNGARENAKILVVITDGEKFGDPLDYKDVIPEADRAGV
 IRYVIGVGNFNPQSRRELDTIASKPAGEHVQVDNFEALNTIQNLQEKIFAIEGTQTGSTSSFEHEM
 SQEGFSASITSNGLLGSVGSFDWAGGAFLYTSKDKVTFINTTRVSDMNDAYLGYASAVILRNRVQSLV
 LGAPRYQHIGLVVMFRENFGTWPHTSIKGSQIGSYFGASLCSVDMADGNTNLILIGAPHYYEKTRGGQ
 VSVCPPLRQQRARWQCEALLHGDQGHWPGRFGAALTVLGDVNGDKLTDVAIGAPGEQENQGVYIFYGAS
 IASLSASHSQRIIGAHFSPGLQYFGQSLSGGKDLTMDGLMDLAVGAQGHLLLLRAQPVLRLEATMEFSPK
 KVARSVFACQEQVLKNKDAGEVRVCLVRKNTKDRLREGDIQSTVTYDLALDPGRSRIAFFDETKNNTR
 RRTQVFGMLQKCE TLKILPDCVDDSVSPILRLNYTLVGEPLRSFGNLRPVLAMDAQRFF TAMFPFEKN
 CGNDSICQDDL SITMSAMGLDTLVVGGPQDFNMSVTLRNDGEDSYGTQVTYYYPSGLSYRKDSASQNP
 LTKKPFVKPAESSSSSEGHGALKSTTWNINHPIFPANSEVTFNVTFDVDSHASFGNKKLLKAIIVASENMS
 RTHKTKFQLELPVYAIYMIVTSDESSIRYLNFTASEMTSKVIQHQQFNGLGQRSLPVSVVFWIPVQIN
 NVTVWDHPQVIFSQNLSACHTEQKSPPHSNFRDQLERTPVLNCSVAVCKRIQCCLPSFNTQEIFNVTLK
 GNLSFDWYIKTSHGHL LVSSTEILFNDSAFALLPGQESYVRSKTETKVEPYEVHNPVPLIVGSSIGGLV
 LLALITAGLYKLGFFKRQYKDMNEAAPQDAPPQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI
Cloning Scheme:



Plasmid Map:


ACCN: NM_001082960

ORF Size: 3462 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_001082960.1, NP_001076429.1
RefSeq Size: 4682 bp
RefSeq ORF: 3465 bp
Locus ID: 16409
Cytogenetics: 7 F3