

Product datasheet for RC227287

IRGM (NM_001145805) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: IRGM (NM_001145805) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: IRGM
Synonyms: IFI1; IRGM1; LRG-47; LRG47
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC227287 representing NM_001145805
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAATGTTGAGAAAGCCTCAGCAGATGGGAACCTGCCAGAGGTGATCTCTAACATCAAGGAGACTCTGA
 AGATAGTGTCCAGGACACCAGTTAACATCACTATGGCAGGGGACTCTGGCAATGGGATGTCCACCTTCAT
 CAGTGCCTTCGAAACACAGGACATGAGGGTAAGGCCTCACCTCCTACTGAGCTGGTAAAAGCTACCCAA
 AGATGTGCCTCCTATTTCTCTCCCACTTTTCAAATGTGGTGTGTGGGACCTGCCTGGCACAGGGTCTG
 CCACCACAACCCTGGAGAACTACCTGATGGAAATGCAGTTCAACCGGTATGACTTCATCATGGTTGCATC
 TGCACAATTAGCATGAATCATGTGATGCTTGCCAAAACCGCTGAGGACATGGGAAAGAAGTTCTACATT
 GTCTGGACCAAGCTAGACATGGACCTCAGCACAGGTGCCCTCCAGAAAGTGCAGCTACTGCAGATCAGAG
 AAAATGTCCTGGAAAATCTCCAGAAGGAGCGGGTATGTGAATACT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC227287 representing NM_001145805
 Red=Cloning site Green=Tags(s)

MNVEKASADGNLPEVISNIKETLKVSRTPVNIITMAGDSGNGMSTFISALRNTGHEGKASPTELVKATQ
 RCASYFSSHFSNVVLWDLPGTGSATTTLENYLMEMQFNRYDFIMVASAQFSMNHVMLAKTAEDMGKKFYI
 VWTKLDMDLSTGALPEVQLLQIRENVLENLQKERVCEY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

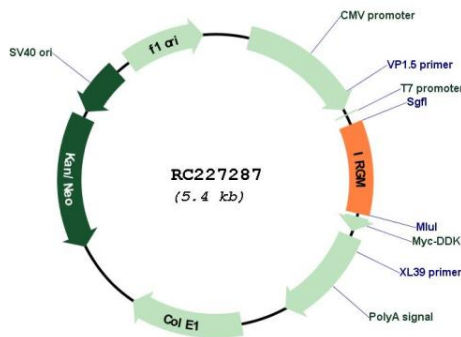


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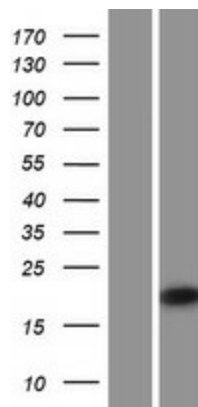
RefSeq ORF: 546 bp
Locus ID: 345611
UniProt ID: [A1A4Y4](#)
Cytogenetics: 5q33.1
MW: 20 kDa

Gene Summary: This gene encodes a member of the p47 immunity-related GTPase family. The encoded protein may play a role in the innate immune response by regulating autophagy formation in response to intracellular pathogens. Polymorphisms that affect the normal expression of this gene are associated with a susceptibility to Crohn's disease and tuberculosis. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Oct 2016]

Product images:



Circular map for RC227287



Western blot validation of overexpression lysate (Cat# [LY429013]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC227287 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).