

Product datasheet for **SC326449**

IRGM (NM_001145805) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IRGM (NM_001145805) Human Untagged Clone
Tag:	Tag Free
Symbol:	IRGM
Synonyms:	IFI1; IRGM1; LRG-47; LRG47
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_001145805 edited ATGGAAGCCATGAATGTTGAGAAAGCCTCAGCAGATGGGAACCTGCCAGAGGTGATCTCT AACATCAAGGAGACTCTGAAGATAGTGTCAGGACACCAGTTAACATCACTATGGCAGGG GACTCTGGCAATGGGATGTCCACCTTCATCAGTGCCCTTCGAAACACAGGACATGAGGGT AAGGCCTCACCTCCTACTGAGCTGGTAAAAGCTACCCAAAGATGTGCCTCCTATTCTCT TCCCACTTTTCAAATGTGGTGTGTGGGACCTGCCTGGCACAGGGTCTGCCACCACAACC CTGGAGAACTACCTGATGGAAATGCAGTTCAACCGGTATGACTTCATCATGGTTGCATCT GCACAATTCAGCATGAATCATGTGATGCTTGCCAAAACCGCTGAGGACATGGGAAAGAAG TTCTACATTGTCTGGACCAAGCTAGACATGGACCTCAGCACAGGTGCCCTCCAGAAGTG CAGCTACTGCAGATCAGAGAAAATGTCTGGAAAATCTCCAGAAGGAGCGGGTATGTGAA TACTAA
Restriction Sites:	Please inquire
ACCN:	NM_001145805
Insert Size:	500 bp



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OTI Disclaimer:	<p>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.</p> <p>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</p>
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_001145805.1.
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:	<ol style="list-style-type: none"> 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_001145805.1 , NP_001139277.1
RefSeq Size:	1659 bp
RefSeq ORF:	546 bp
Locus ID:	345611
UniProt ID:	A1A4Y4
Cytogenetics:	5q33.1
Gene Summary:	<p>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]</p>