

Product datasheet for **RG236916**

Allergin 1 (MILR1) (NM_001291316) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Allergin 1 (MILR1) (NM_001291316) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Allergin 1
Synonyms:	Allergin-1; C17orf60; MCA-32; MCA32
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG236916 representing NM_001291316. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGTGGAGCCATTTGAACAGGCTCCTCTTCTGGAGCATATTTTCTTCTGTCACCTGTAGAAAAGCTGTA
TTGGATTGTGAGGCAATGAAAACAAATGAATTCCTTCTCCATGTTTGGACTCAAAGACTAAGGTGGTT
ATGAAGGGTCAAATGTATCTATGTTTTGTTCCCATAGAACAAATCACTGCAGATCACCTATTCATTG
TTTCGACGTAAGACACACCTGGGAACCCAGGATGGAAAAGGTGAACCTGCGATTTTAACTAAGCATC
ACAGAAGCCCATGAATCAGGCCCTACAAATGCAAAGCCCAAGTTACCAGCTGTTCAAAATACAGTCGT
GACTTCAGCTTCACGATTGTCGGCGGAGACAGCTGTCCTTCTGTCTGAAGCTACTACTCCAGGGTTA
TTACTGTTGCTGGTGGTATAATCCTAATTCTGGCTTTTGGGTACTGCCAAATACAAAACAAGAAAA
GCTATGAGAAATAATGTGCCAGGGACCGTGGAGACACAGCCATGGAAGTTGGAATCTATGCAAATATC
CTTGAAAAACAAGCAAAGGAGGAATCTGTGCCAGAAGTGGGATCCAGGCCGTGTGTTCCACAGCCCAA
GATGAGGCCAAACACTCCAGGAGCTACAGTATGCCACCCCGTGTTCAGGAGGTGGCACCAAGAGAG
CAAGAAGCCTGTGATTCTTATAAATCTGGATATGTCTATTCTGAACCTCACTTC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
  
```

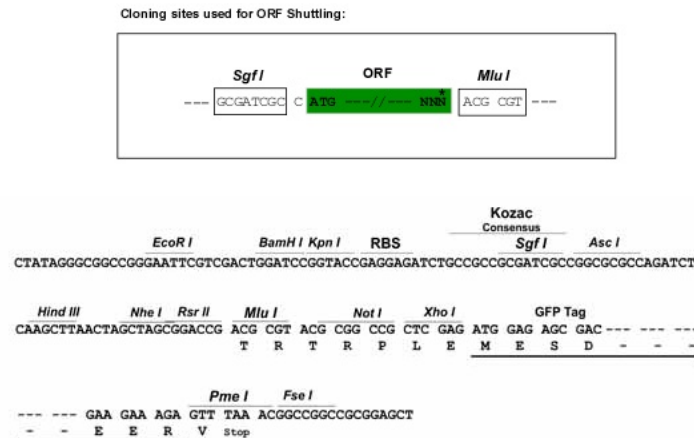

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Protein Sequence: >Peptide sequence encoded by RG236916
 Blue=ORF Red=Cloning site Green=Tag(s)

MWSHLNRLLFWSIFSSVTCRKAVLDCEAMKTNEFPSPCLDSKTKVVMKGQNVSMFCSHKNKSLQITYSL
 FRRKTHLGTQDGKGEPAIFNLSITEAHESGPYKCKAQVTSCSKYSRDFSFTIVGGDSCPFCLKLLPLGL
 LLLLVIILILAFWVLPKYKTRKAMRNNVPRDRGTAMEVGIYANILEKQAKEESVPEVGSRPCVSTAQ
 DEAKHSQELQYATPVFQEVAPREQEACDSYKSGVYSELNF
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNAVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001291316

ORF Size: 755 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).

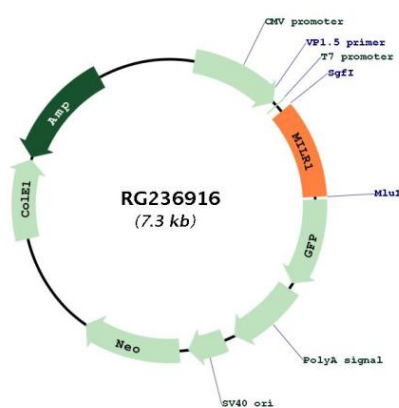
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001291316.2](#)

RefSeq Size: 1176 bp

RefSeq ORF:	747 bp
Locus ID:	284021
UniProt ID:	Q7Z6M3
Cytogenetics:	17q23.3
Protein Families:	Druggable Genome, Transmembrane
MW:	28.4 kDa
Gene Summary:	Immunoglobulin-like receptor which plays an inhibitory role in degranulation of mast cells. Negatively regulates IgE-mediated mast cell activation and suppresses the type I immediate hypersensitivity reaction (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG236916