

Product datasheet for **RC236916**

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

Product data:

Product Type:	Expression Plasmids
Product Name:	Allergen 1 (MILR1) (NM_001291316) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Allergen 1
Synonyms:	Allergen-1; C17orf60; MCA-32; MCA32
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC236916 representing NM_001291316 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGGAGCCATTTGAACAGGCTCCTCTTCTGGAGCATATTTCTTCTGTCACTTGTAGAAAAGCTGTAT
TGGATTGTGAGGCAATGAAAACAAATGAATTCCTTCTCCATGTTTGGACTCAAAGACTAAGGTGGTTAT
GAAGGGTCAAAATGTATCTATGTTTGTCCCATAGAACAAATCACTGCAGATCACCTATTCATTGTTT
CGACGTAAGACACACCTGGGAACCCAGGATGGAAGGTGAACCTGCGATTTTAACTAAGCATCACAG
AAGCCCATGAATCAGGCCCTACAAATGCAAAGCCCAAGTTACCAGCTGTCAAATACAGTCGTGACTT
CAGCTTCACGATTGTGCGCGGAGACAGCTGTCTTTCTGTCTGAAGCTACTACTTCCAGGGTTATTACTG
TTGCTGGTGGTGATAATCCTAATTCTGGCTTTTGGGTACTGCCAAATACAAAACAAGAAAAGCTATGA
GAAATAATGTGCCAGGGACCGTGGAGACACAGCCATGGAAGTTGGAATCTATGCAAATATCCTTGAAAA
ACAAGCAAAGGAGGAATCTGTGCCAGAAGTGGGATCCAGGCCGTGTTTCCACAGCCCAAGATGAGGCC
AAACACTCCCAGGAGCTACAGTATGCCACCCCGTGTCCAGGAGGTGGACCAAGAGAGCAAGAAGCCT
GTGATTCTATAAATCTGGATATGTCTATTCTGAACCTCACTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



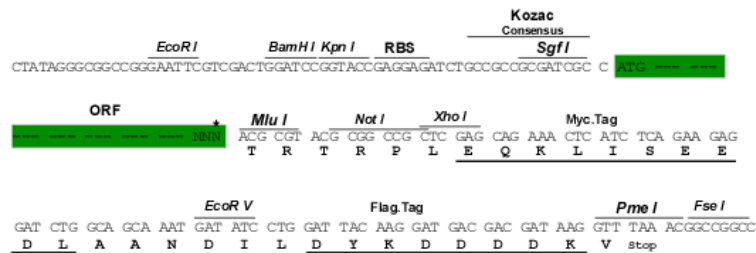
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Protein Sequence: >RC236916 representing NM_001291316
 Red=Cloning site Green=Tags(s)

MWSHLNRLLFWSIFSSTCRKAVLDCEAMKTNEFPSPCLDSKTKVVMKGQNVSMFCSHKNKSLQITYSLF
 RRKTHLGTQDGKGEPAIFNL SITEAHESGPYKCKAQVTSKYSRDFSFTIVGGDSCPFCLKLLLPGLLL
 LLVVIILILAFWVLPKYKTRKAMRNNVPRDRGDTAMEVGIYANILEKQAKEESVPEVGSRPCVSTAQDEA
 KHSQELQYATPVFQEVAPREQEACDSYKSGYVYSELNF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



* The last codon before the Stop codon of the ORF

ACCN: NM_001291316

ORF Size: 744 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).

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.

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](#)

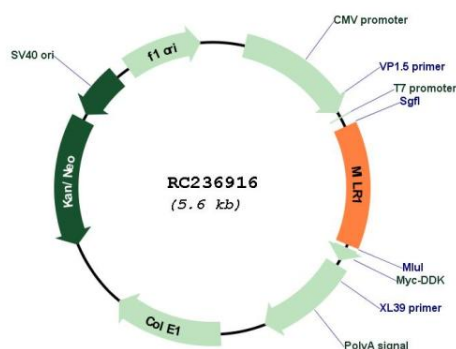
Cytogenetics: 17q23.3

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 RC236916