

Product datasheet for **RC236962**

Allergin 1 (MILR1) (NM_001291317) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Allergin 1 (MILR1) (NM_001291317) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Allergin 1
Synonyms:	Allergin-1; C17orf60; MCA-32; MCA32
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC236962 representing NM_001291317 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTGGAGCCATTTGAACAGGCTCCTCTTCTGGAGCATATTTCTTCTGTCACTTGTAGAAAAGCTGTAT
 TGGATTGTGAGGCAATGAAAACAAATGACCCGGTGACTTCCCAGTGCTGAACATTATGGTCATTCAAAC
 AGAAACAGACCGACATATAACATTACATTGCCTCTCAGTCAATGGCTCGCTGCCATCAATTACACTTTC
 TTTGAAAACCATGTTGCCATATCACCAGCTATTTCCAAGTATGACAGGGAGCCTGCTGAATTTAACTTAA
 CCAAGAAGAATCCTGGAGAAGAGGAAGAGTATAGGTGTGAAGCTAAAAACAGATTGCCTAACTATGCAAC
 ATACAGTCACCCTGTACCATGCCCTCAACAGGCGGAGACAGCTGTCCTTCTGTCTGAAGCTACTACTT
 CCAGGGTTATTACTGTTGCTGGTGGTGATAATCCTAATTCTGGCTTTTGGGTACTGCCCAAATACAAAA
 CAAGAAAAGCTATGAGAAATAATGTGCCAGGGACCGTGGAGACACAGCCATGGAAGTTGGAATCTATGC
 AAATATCCTTGAAAAACAAGCAAAGGAGGAATCTGTGCCAGAAGTGGGATCCAGGCCGTGTGTTCCACA
 GCCCAAGATGAGGCCAAACACTCCCAGGAGCTACAGTATGCCACCCCGTGTCCAGGAGGTGGCACCA
 GAGAGCAAGAAGCCTGTGATTCTTATAAATCTGGATATGTCTATTCTGAACCACTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC236962 representing NM_001291317
 Red=Cloning site Green=Tags(s)

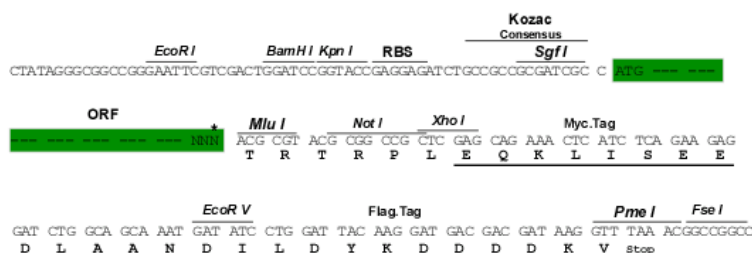
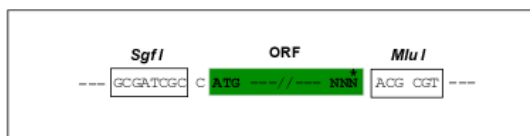
MWSHLNRLLFWSIFSSVTCRKAVLDCAMKTNDPVTSPVLNIMVIQTETDRHITLHCLSVNGSLPINYTF
 FENHVAISPAISKYDREPAEFNLTKKNPGEEEEYRCEAKNRLPYATYSHPVTMPSTGGDSCPFCLKLLL
 PGLLLLLVVIILILAFWVLPKYKTRKAMRNNVPRDRGDTAMEVGIYANILEQAKEESVPEVGSRCVST
 AODEAKHSOELQYATPVFOEVAPREOEACDSYKSGVYVSELNF

TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM 001291317

ORF Size: 759 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_001291317.2](#)

RefSeq Size: 1191 bp

RefSeq ORF: 762 bp

Locus ID: 284021

UniProt ID: [Q7Z6M3](#)

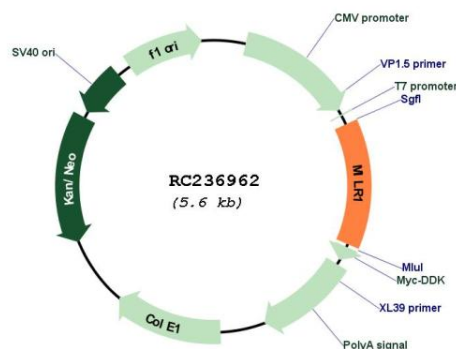
Cytogenetics: 17q23.3

Protein Families: Druggable Genome, Transmembrane

MW: 29.1 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 RC236962