

## Product datasheet for **RG236962**

### 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:	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:	>RG236962 representing NM_001291317. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTGGAGCCATTTGAACAGGCTCCTCTTCTGGAGCATATTTTCTTGTCACTTGTAGAAAAGCTGTA
TTGGATTGTGAGGCAATGAAAACAAATGACCCGGTGACTTCCCCAGTGCTGAACATTATGGTCATTCAA
ACAGAAACAGACCGACATATAACATTACATTGCCCTCTCAGTCAATGGCTCGCTGCCATCAATTACACT
TTCTTTGAAAACCATGTTGCCATATCACCAGCTATTTCCAAGTATGACAGGGAGCCTGCTGAATTTAAC
TTAACCAAGAAGAATCCTGGAGAAGAGGAAGATATAGGTGTGAAGCTAAAAACAGATTGCCTAACTAT
GCAACATACAGTCACCCTGTACCATGCCCTCAACAGGGCGAGACAGCTGTCCTTTCTGTCTGAAGCTA
CTACTTCCAGGGTTACTGTTGCTGGTGTATAATCCTAATTCTGGCTTTTGGGACTGCCAAA
TACAAAACAAGAAAAGCTATGAGAAATAATGTGCCAGGGACCGTGGAGACACAGCCATGGAAGTTGGA
ATCTATGCAAATATCCTTGAAAAACAAGCAAAGGAGGAATCTGTGCCAGAAGTGGGATCCAGGCCGTGT
GTTTCCACAGCCAAGATGAGGCCAAACACTCCCAGGAGCTACAGTATGCCACCCCGTGTTCAGGAG
GTGGCACCAGAGAGCAAGAAGCCTGTGATTCTTATAAATCTGGATATGTCTATTCTGAACCTCACTTC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



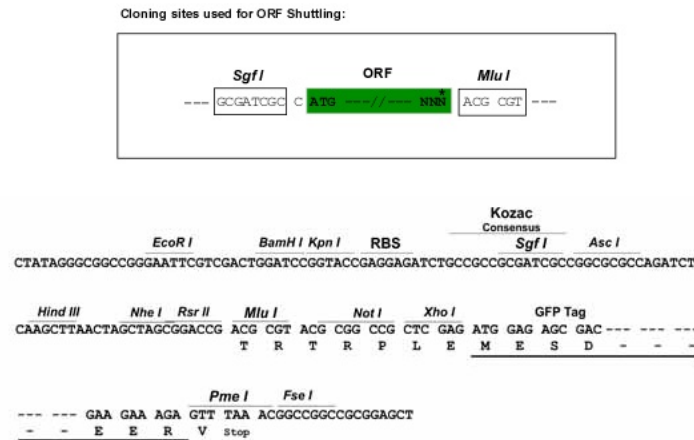
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**Protein Sequence:** >Peptide sequence encoded by RG236962  
 Blue=ORF Red=Cloning site Green=Tag(s)

MWSHLNRLLFWSIFSSVTCRKAVLDCEAMKTNDPVTSPVLNIMVIQTETDRHITLHCLSVNGSLPINYT  
 FFENHVAISPAISKYDREPAEFLTKKNPGESEEEYRCEAKNRLPNYATYSHPVTMPSTGGDSCPFCLKL  
 LLPGLLLLLVVIILILAFWVLPKYKTRKAMRNNVPRDRGTAMEVGIYANILEKQAKEESVPEVGSRPC  
 VSTAQDEAKHSQELQYATPVFQEVAPREQEACDSYKSGYVYSELNF  
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED  
 SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**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).

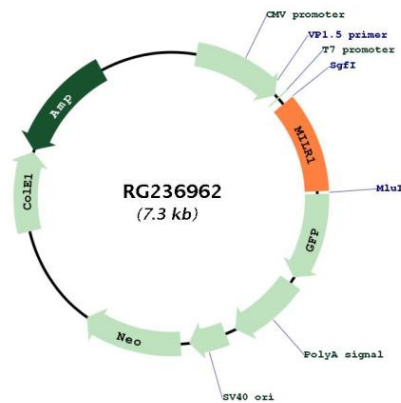
**RefSeq:** [NM\\_001291317.2](#)

**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 RG236962