

## Product datasheet for **RG208712**

### **RIAM (APBB1IP) (NM\_019043) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	RIAM (APBB1IP) (NM_019043) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RIAM
Synonyms:	INAG1; PREL1; RARP1; RIAM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide  
Sequence:**

>RG208712 representing NM\_019043  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGTGAGTCAAGTGAAGACATAGACCAAATGTTTCAGCACTTTGCTGGGAGAGATGGATCTTCTGACTC  
 AGAGTTTAGGAGTTGACTCTCCCTCCTGACCCTAATCCACCCAGAGCTGAATTTAACTACAGTGT  
 GGGTTTTAAAGATTTAAATGAGTCCTTAAATGCACTGGAAGACCAAGATTTAGATGCTCTCATGGCAGAT  
 CTGGTAGCAGACATAAGTGAGGCTGAGCAGAGGACAATCCAGGCACAGAAAGAGTCTTGCAGAATCAAC  
 ATCATTACAGCATCTCTACAAGCATCAATTTTCAGTGGTGCAGCCTCTCTTGGTTATGGAACAAATGTTGC  
 TGCCACTGGTATCAGCCAATATGAGGATGACTTACCACCTCCACCAGCCGATCCTGTGTTAGACCTTCCA  
 CTGCCACCACCACCTCCTGAACCTCTCTCTCAGGAAGAGGAAGAAGCCCAAGCCAAGGCTGATAAAATTA  
 AGCTGGCGCTGGAAAACTGAAGGAGGCCAAGGTTAAGAAGCTCGTCGTAAGGTGCACATGAATGATAA  
 CAGCACAAGTCACTGATGGTGGATGAGCGGCAGCTGGCCGAGATGTTCTGGACAACCTTTTCGAGAAA  
 ACTCATTGTGACTGCAATGTAGACTGGTGTCTTTATGAAATCTACCCGGAACACAAATTGAGAGGTTTT  
 TTGAAGACCATGAAAATGTTGTTGAAGTCTTATCAGACTGGACAAGAGACACAGAAAAATAAAATACTATT  
 TTTGGAGAAAAGAGGAGAAATATGCTGTATTTAAAAACCCCAAGATTTCTACTTGGATAACAGAGGAAAA  
 AAAGAAAGCAAGGAACTAATGAGAAAAATGAATGCTAAGAACAAGGAATCCTTACTTGGAGAAAGTTTCT  
 GTGGAACATCTATCATTGTACCAGAACTGGAAGGAGCTCTTTATTTGAAAGAAGATGGAAGAAATCCTG  
 GAAAAGGCGCTATTTTCTTTACGGGCTTCTGGAATTTATTATGTACCCAAAGGAAAGACTAAGACATCT  
 CGAGATCTGGCGTGTATACAGTTTAAAAATGTCAACATTTACTATGGGACTCAGCATAAAATGAAAT  
 ATAAAGCGCCCACTGACTATTGCTTTGTTTTAAAGCACCCCAAAATTCAGAAGGAGTCCCAGTATATCAA  
 GTATCTCTGCTGTGATGACACAAGAACCCTTAACCAAGTGGGTCATGGGAATACGGATAGCCAAGTATGGG  
 AAGACTCTCTATGATAACTACCAGCGGGCTGTGGCAAAGGCTGGACTTGCCTCTCGGTGGACAACTTGG  
 GGACAGTCAATGCAGCTGCACCAGCTCAGCCATCTACAGGACCTAAAACAGGCACCACCCAGCCCAATGG  
 ACAGATCCCCAGGCTACACATTCTGTCAGTGTGTTCTCCAAGAGGCCAGAGACATGTGAAACATCG  
 AAGGATAAGAAGCCAGCCCTCGGGAACCACCACGACCCGGCAGTGCCCGGGCCCGCACGCCCCCAAGT  
 CCAGCCTGCCCGCCCTCCGGTGGGAGGTCTCCGACACCAGCGGAGTCCCGCCACGCCCTCAA  
 GGCCAAGGGCACAGGCGGCGGGGCTTGCCCGCCACCCGACGACTTCTGCCCGCCCGCCACCAGCCG  
 CGCCCTCGATGACCTGAGCTCCCGCCCGCCCGCCGACTTCATGGAGCCGCCCCAGACTTCTGTGC  
 CCCCAGCCCGCCGCTCGTACGCAGGATCGCGGGCTCAGAGCTGCCCGCCCGCCCGCCCGCCCGCCG  
 GCCCGCGCCCGCCCGTCCCGACTCCGCCAGGCCGCCCGCCCGCGGTGGCCAAGAGGCTCCTGTGCC  
 CCCAAGAGGCAAGAGAACCAGGCCACCCGGCGGAGCAGGAGCGGGGAGCAAGATTTATGTCAGACC  
 TCATGAAAGCTTTGCAAAAGAAGAGAGGCAACGTGTC

**ACGCGT**ACGCGGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:** >RG208712 representing NM\_019043  
 Red=Cloning site Green=Tags(s)

MGESSEDIDQMFSTLLGEMDLLTQSLGVDLTPPPDPNPPRAEFNYSVGFKDLNESLNALEDQDLDALMAD  
 LVADISEAEQRTIQAQKESLQNHHSASLQASIFSGAASLGYGTNVAATGISQYEDDLPPPADPVL DLP  
 LPPPPPEPLSQEEEEAAKADKIKLALALEKLKEAKVKKL VVKVHMNDNSTKSLMVDERQLARDVLDNLFK  
 THCDCNVDWCLYEIYPELQIERFFEDHENVVEVLSDWTRDTENKILFLEKEEKYAVFKNPQNFYLDNRGK  
 KESKETNEKMNANKESLLEESFCGTSIIVPELEGALYLKEDGKKS WKRRYFLLRASGIYYVPGKTKTS  
 RDLACFIQFENVNIYYGTQHKMKYKAPT D YCFVLKHPQIQKESQYIKYLCDDTRTLNQWVMGIRIAKYG  
 KTYLDNYQRAVAKAGLASRWTNLGTVNAAAPAQPSTGPKTGTTQPNGQIPQATHSVSAVLQEAQRHAETS  
 KDKKPALGNHHPAVPRAPHAPKSSLP PPPPVRRSSDTSGSPATPLKAKGTGGGGLPAPPDDFLPPPPPP  
 PPLDDPELPPPPDFMEPPDFVPPPPSYAGIAGSELPPPPPPPPAPAPVPDSARPPPAVAKRPPVP  
 PKRQENPGHPGGAGGGEQDFMSDLMKALQKGRGNVS

TRTRPLE - GFP Tag - V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_019043

**ORF Size:** 1998 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.

**RefSeq:** [NM\\_019043.4](#)

**RefSeq Size:** 2659 bp

**RefSeq ORF:** 2001 bp

**Locus ID:** 54518

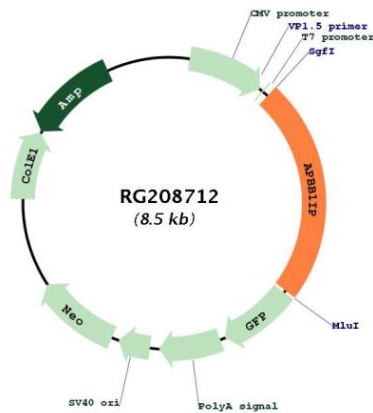
**UniProt ID:** [Q7Z5R6](#)

**Cytogenetics:** 10p12.1

**Domains:** RA, PH

**Gene Summary:** Appears to function in the signal transduction from Ras activation to actin cytoskeletal remodeling. Suppresses insulin-induced promoter activities through AP1 and SRE. Mediates Rap1-induced adhesion.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for RG208712