

Product datasheet for **RG209131**

RBM35A (ESRP1) (NM_017697) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RBM35A (ESRP1) (NM_017697) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RBM35A
Synonyms:	DFNB109; RBM35A; RMB35A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG209131 representing NM_017697
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGACGGCCTCTCCGATTACTTGGTGGTGCTTTTGGGATCACTGCTGGGGCCACCGGGCCAAGCTAG
 GCTCGGATGAGAAGGAGTTGATCCTGCTGTTCTGGAAAGTCGTGGATCTGGCCAACAAGAAGGTGGGACA
 GTTGACGAAGTCTAGTTAGACCGGATCAGTTGGAAGTACGAGGAGTGCAGGAAGAACTAAATA
 GACGTCGAAAGCCTGTCTCGCGTCGCAGCTGGACCAAGCCCTCCGACAGTTTAACCAAGTCAGTGAGCA
 ATGAAGTGAATATTGGAGTAGGGACTTCCTTCTGTCTGTACTGATGGGCAGCTTCATGTCAGGCAAAAT
 CCTGCATCCTGAGGCTTCCAAGAAGAATGTACTATTACCTGAATGCTTCTATTCTTTTGGATCTTCGA
 AAAGAATTCAAGAAATGTTGCCCTGGTTCACCTGATATTGACAACTGGACGTTGCCACAATGACAGAGT
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 AATTTTAGCAATGATTTAGAGCCTTATAATCACAGGTTTTCAGATCCAGAGAGAGTGAATTACAAGTTT
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 GGCAGTCTTCAGATCAAGATATTGCAAGATTCTTCAAAGGACTCAATATTGCCAAGGGAGGTGCAGCACT
 TTGCTGTAATGCTCAGGGTCAAGGAACGGAGAAGCTCTGGTTAGGTTTGAAGTGAAGGAGCACCAGAGC
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 CCTATTACTGGGGAAAGGAAGGCATCCTCTTGTACCTACCCAGATGGTAGGCCAACAGGGGACGCTT
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 GCTCCTGCTGCAGTTATTCCTACAGAAGCTGCCATTTACCAGCCCTCTGTGATTTTGAATCCACGAGCAC
 TGCAGCCCTCCACAGCGTACTACCCAGCAGGCACTCAGCTCTTCATGAATACACAGCGTACTATCCCAG
 CCCCCAGGTTTCGCTAATAGTCTTGGCTACTTCCCTACAGCTGCTAATCTTAGCGGTGTCCCTCCACAG
 CCTGGCACGGTGGTCAGAATGCAGGGCCTGGCCTACAATACTGGAGTTAAGGAAATCTTAACTTCTTCC
 AAGGTTACAGTATGCAACCGAGGATGGACTTATACACACAAATGACCAGGCCAGGACTCTACCAAAGA
 ATGGGTTTGTATT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

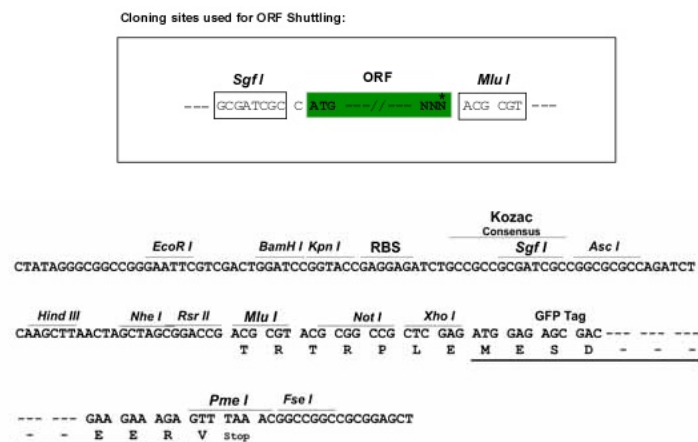
Protein Sequence: >RG209131 representing NM_017697
 Red=Cloning site Green=Tags(s)

MTASPDYLVVLFGITAGATGAKLGSDEKELILLFWKVVDLANKKVQLHEVLVRPDQLELTEDCKEETKI
 DVESLSSASQLDQALRQFNQSVSNELNIGVGTSFCLCTDQQLHVRQILHPEASKKNVLLPECFYSFFDLR
 KEFKKCCPGSPDIDKLDVATMTEYLNFEKSSSVSRYGASQVEDMGNIILAMISEPYNHRFSDPERVNYKF
 ESGTCSKMEIIDDNTVVRARGLPWQSSDQDIARFFKGLNIAKGAALCLNAQGRNGEALVRFVSEEHDR
 LALQRHKKHMGTRYIEVYKATGEDFLKIAGGTSNEVAQFLSKENQVIVMRGLPFTATAEEVVAFFGQHC
 PITGGKEGILFVTYPDGRPTGDAFVLFACEEYAQNALRKHKDLLGKRYIELFRSTAAEVQQVLNRFSSAP
 LIPLPTPIIPVLPQQFVPPTNVRDCIRLRGLPYAATIEDILDFLGEFATDIRTHGVHMLNHNQGRPSGD
 AFIQMSADRAFAAQAQCHKNMKDRYVEVFQCSAEEMNFVLMGGTLNRNGLSPPPCKLPCLSPPSYTFP
 APAAVIPTAAIYQPSVILNPRALQPSTAYYPAGTQLFMNYTAYYSPPGSPNSLGYFPTAANLSGVPPQ
 PGTVVRMQLAYNTGVKEILNFFQGYQYATEDGLIHTNDQARTLPKEWVCI

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_017697

ORF Size: 2043 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_017697.2](#), [NP_060167.2](#)

RefSeq Size: 2751 bp

RefSeq ORF: 2046 bp

Locus ID: 54845

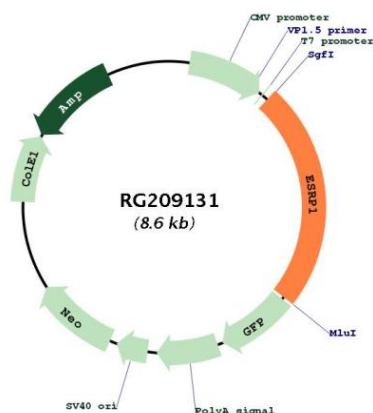
UniProt ID: [Q6NXG1](#)

Cytogenetics: 8q22.1

Domains: RRM

Gene Summary: ESRP1 is an epithelial cell-type-specific splicing regulator (Warzecha et al., 2009 [PubMed 19285943]).[supplied by OMIM, Aug 2009]

Product images:



Circular map for RG209131