

Product datasheet for **RG210539**

RBM35A (ESRP1) (NM_001034915) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RBM35A (ESRP1) (NM_001034915) 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:

>RG210539 representing NM_001034915
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACGGCCTCTCCGATTACTTGGTGGTGCTTTTTGGGATCACTGCTGGGGCCACCGGGCCAAGCTAG
 GCTCGGATGAGAAGGAGTTGATCCTGCTGTTCTGGAAAGTCGTGGATCTGGCCAACAAGAAGGTGGGACA
 GTTGACGAAGTCTAGTTAGACCGGATCAGTTGGAAGTACGGGAGGACTGCAAAGAAGAACTAAAATA
 GACGTCGAAAGCCTGTCCTCGGCGTCGACGCTGGACCAAGCCCTCCGACAGTTTAACCAGTCAGTGAGCA
 ATGAACTGAATATTGGAGTAGGGACTTCCTTCTGTCTGTACTGATGGGACGCTTCATGTCAGGCAAAAT
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 AAAGAATCAAGAAATGTTGCCCTGGTTCACCTGATATTGACAACTGGACGTTGCCACAATGACAGAGT
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 GTCAGAATGCAGGGCCTGGCCTACAATACTGGAGTTAAGGAAATCTTAAGTTCTCCCAAGGTTACCAGT
 ATGCAACCGAGGATGGACTTATACACACAAATGACCAGGCCAGGACTCTACCCAAAGAAATGGGTTTGTAT
 T

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG210539 representing NM_001034915
Red=Cloning site Green=Tags(s)

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MTASPDYLVVLFGITAGATGAKLGSDEKELILLFWKVVDLANKKVGQLHEVLVRPDQLELTEDCKEETKI
DVESLSSASQLDQALRQFNQSVSNELNIGVGTSFCLCTDQQLHVRQILHPEASKKNVLLPECFYSFFDLR
KEFKKCCPGSPDIDKLDVATMTEYLNFEKSSSVSRYGASQVEDMGNIILAMISEPYNHRFSDPERVNYKF
ESGTCSKMEIIDDNTVVRARGLPWQSSDQDIARFFKGLNIAKGGAAALCLNAQGRRNGEALVRFVSEEHRD
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LIPLPTPPIIPVLPQQFVPPTNVRDCIRLRGLPYAATIEDILDFLGEFATDIRTHGVHMLVNHQGRPSGD
AFIQMKSADRAFMAAQKCHKKNMKDRYVEVFQCSAEEMNFVLMGGTLNRNGLSPPPCLSPSYTFPAPAA
VIPTEAAIYQPSVILNPRALQPSTAYYPAGTQLFMNYTAYYPPSPPGSPNSLGYFPPTAANLGSVPPQPGTV
VRMQGLAYNTGVKEILNFSQGYQYATEDGLIHTNDQARTLPKEWVCI
    
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001034915

ORF Size: 2031 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_001034915.1](#), [NP_001030087.1](#)

RefSeq Size: 3773 bp

RefSeq ORF: 2034 bp

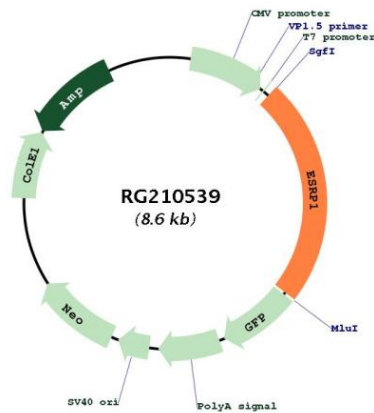
Locus ID: 54845

UniProt ID: [Q6NXG1](#)

Cytogenetics: 8q22.1

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 RG210539