

Product datasheet for **RG226012**

RBM35A (ESRP1) (NM_001122827) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RBM35A (ESRP1) (NM_001122827) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ESRP1
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:

>RG226012 representing NM_001122827
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACGGCCTCTCCGATTACTTGGTGGTCTTTTTGGGATCACTGCTGGGGCCACCGGGCCAAGCTAG
 GCTCGGATGAGAAGGAGTTGATCCTGCTGTTCTGGAAAGTCGTGGATCTGGCCAACAAGAAGGTGGGACA
 GTTGACGAAGTCTAGTTAGACCGGATCAGTTGGAAGTACGAGGACTGCAAAGAAGAACTAAAATA
 GACGTCGAAAGCCTGTCCTCGGCGTCGACGCTGGACCAAGCCCTCCGACGTTTAACCAAGTCACTGAGCA
 ATGAAGTGAATATTGGAGTAGGGACTTCTTCTGTCTGTACTGATGGGAGCTTCACTGACAGGCAAT
 CCTGCATCCTGAGGCTTCCAAGAAGAATGACTATTACCTGAATGCTTCTATTCTTTTTGATCTTCGA
 AAAGAATCAAGAATGTTGCCCTGGTTCACCTGATATTGACAACTGGACGTTGCCACAATGACAGAGT
 ATTTAAATTTGAGAAGAGTAGTTCAGTCTCTCGATATGGAGCCTCTCAAGTTGAAGATATGGGGAATAT
 AATTTTAGCAATGATTTAGAGCCTTATAATCACAGGTTTTAGATCCAGAGAGAGTGAATTACAAGTTT
 GAAAGTGGAACTTGACAGCAAGATGGAAGTATTGATGATAACACCGTAGTCAGGGCAGGAGTTTACCAT
 GGCAGTCTTCAGATCAAGATATTGCAAGATTCTCAAAGGACTCAATATTGCCAAGGGAGGTGCAGCACT
 TTGTCTGAATGCTCAGGGTCAAGGAACGGAGAAGCTCTGGTTAGGTTTGAAGTGAAGGACACCGAGAC
 CTAGCACTACAGAGGCACAAACATCACATGGGGACCCGGTATATTGAGGTTTACAAGCAACAGGTGAAG
 ATTTCTTAAAATTGCTGGTGGTACTTCCAATGAGGTAGCCAGTTTCTCTCAAGGAAAATCAAGTCAT
 TGTCCGCATGCGGGGCTCCCTTTCACGGCCACAGCTGAAGAAGTGGTGGCTTCTTTGGACAGCATTGC
 CCTATTACTGGGGAAAGGAAGGCATCCTCTTTGTCACCTACCCAGATGGTAGGCCAACAGGGGACGCTT
 TTGTCTCTTTGCCTGTGAGGAATATGCACAGAATGCGTTGAGGAAGCATAAAGACTTGTGGGTAAGAAG
 ATACATTGAACTCTTCAGGAGCACAGCAGCTGAAGTTCAGCAGGTGCTGAATCGATTCTCCTCGGCCCT
 CTCATTCCAATTCCAACCCCTCCATTATTCCAGTACTACCTCAGCAATTTGTGCCCCCTACAAATGTTA
 GAGACTGTATACGCCTTCGAGGCTTCCCTATGCAGCCACAATTGAGGACATCCTGGATTTCTGGGGGA
 GTTCGCCACAGATATTCTACTCATGGGTTTACATGGTTTTGAATCACCAGGGCCGCCATCAGGAGAT
 GCCTTTATCCAGATGAAGTCTGCGGACAGAGCATTATGGCTGCACAGAAGTGCATAAAAAAACATGA
 AGGACAGATATGTTGAAGTCTTTCAGTGTTCAGCTGAGGAGATGAACTTTGTGTTAATGGGGGCACCTT
 AAATCGAAATGGCTTATCCACCGCCATGCCTGTCTCCTCCTACACATTTCCAGCTCCTGCTGCA
 GTTATTCTACAGAAGCTGCCATTTACCAGCCCTCTGTGATTTTGAATCCACGAGCACTGCAGCCCTCA
 CAGCGTACTACCCAGCAGGCACTCAGCTTTCATGAATTACACAGCGTACTATCCAGTGT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG226012 representing NM_001122827
 Red=Cloning site Green=Tags(s)

MTASPDYLVVLFGITAGATGAKLGSDEKELILLFWKVVDLANKKVGQLHEVLVVRPDQLELTEDCKEETKI
 DVESLSSASQLDQALRQFNQSVSNELNIGVTSFCLCTDQQLHVRQILHPEASKKNVLLPECFYSFFDLR
 KEFKKCCPGSPDIDKLDVATMTEYLNFEKSSSVSRYGASQVEDMGNIILAMISEPYNHRFSDPERVNYKF
 ESGTCSKMELEIDDNTVVRARGLPWQSSDQDIARFFKGLNIAKGGAAALCLNAQRRNGEALVRFVSEHRD
 LALQRHKHHMGTRYIEVYKATGEDFLKIAGGTSNEVAQFLSKENQVIVMRGLPFTATAEEVVAFFGQHC
 PITGGKEGILFVTYPDGRPTGDAFVLFACEEYAQNALRKHKDLLGKRYIELFRSTAAEVQVLRNFSSAP
 LIPLPTPIIPVLPQQFVPPTNVRDCIRLRGLPYAATIEDILDFLGEFATDIRTHGVHMLNHNQGRPSGD
 AFIQMSADRAFMAAQKCHKKNMKDRYVEYFQCSAEEMNFVLMGGTLNRNGLSPPPCLSPPSYTFPAPAA
 VIPTEAAIYQPSVILNPRALQPSTAYYPAGTQLFMNYTAYYPSV

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

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:	<ol style="list-style-type: none">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_001122827.2
RefSeq Size:	3533 bp
RefSeq ORF:	1815 bp
Locus ID:	54845
UniProt ID:	Q6NXG1
Cytogenetics:	8q22.1
Gene Summary:	ESPR1 is an epithelial cell-type-specific splicing regulator (Warzecha et al., 2009 [PubMed 19285943]).[supplied by OMIM, Aug 2009]