Product datasheet for RG206335

U2AF1L3 (U2AF1L4) (NM_144987) Human Tagged ORF Clone

Product data:

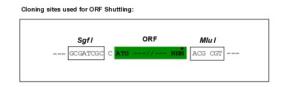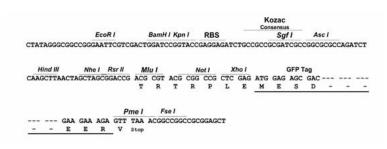|	
Product Type:	Expression Plasmids
Product Name:	U2AF1L3 (U2AF1L4) (NM_144987) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	U2AF1L3
Synonyms:	U2AF1-RS3; U2AF1L3; U2AF1L3V1; U2AF1RS3; U2af26
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG206335 representing NM_144987 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGCTGAATATTTAGCTTCGATATTCGGGACTGAGAAGGACAAGGTTAACTGCTCTTTTTACTTTAAGA TCGGGGTCTGCCGGCACGGGGACCGGTGCTCCCGGCTTCACAACAAGCCGACATTCAGCCAGGAGGTGTT CACAGAACTGCAGGAGAAGTATGGGGAGATTGAAGAGATGAATGTGTGCGACAACCTTGGGGACCACGTC GTGGGCAACGTCTATGTCAAGTTCCGGAGGGAGGAGGATGGAGAGCGGGCCGTGGCTGAACTCAGTAACC GCTGGTTCAACGGGCAGGCTGTGCACGGGAATGTACCCGAGGTGGCTTCTGCAACTTCATGCATCTGCGG CCCATTTCCCAGAACCTCCAGAGGCAGCTCTATGGGCGGGGACCCAGGCGCAGGTCACCCCCGAGGTTCC ATACTGGCCACAATCCCCGAGAGAGGAACCATCGGTGTTCCCCTGATCACTGGCATGGCCGCTTCTGAGG CCCTGGCCCCCTTACCCTTCACCCCCAACAGGGACAGATGTTCCTGGCAGGACCTCTCCTCAAAGCCCCC TTCACTCTCCTGCCCCATCCTTCCCAGGCTCCCGGGCTCCATAATG ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA
Protein Sequence:	>RG206335 representing NM_144987 Red=Cloning site Green=Tags(s) MAEYLASIFGTEKDKVNCSFYFKIGVCRHGDRCSRLHNKPTFSQEVFTELQEKYGEIEEMNVCDNLGDHV VGNVYVKFRREEDGERAVAELSNRWFNGQAVHGNVPEVASATSCICGPFPRTSRGSSMGGDPGAGHPRGS ILATIPERGTIGVPLITGMAASEALAPLPFTPNRDRCSWQDLSSKPPSLSCPILPRLPGSIM TRTRPLE – GFP Tag – V
Restriction Sites:	SgfI-MluI

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Cloning Scheme:

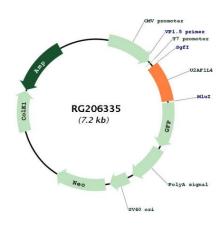|	
ACCN:	NM_144987
ORF Size:	606 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_144987.1, NP_659424.1
RefSeq Size:	711 bp
RefSeq ORF:	609 bp
Locus ID:	199746

UniProt ID:	Q8WU68
Cytogenetics:	19q13.12
Gene Summary:	RNA-binding protein that function as a pre-mRNA splicing factor. Plays a critical role in both constitutive and enhancer-dependent splicing by mediating protein-protein interactions and protein-RNA interactions required for accurate 3'-splice site selection. Acts by enhancing the binding of U2AF2 to weak pyrimidine tracts. Also participates in the regulation of alternative pre-mRNA splicing. Activates exon 5 skipping of PTPRC during T-cell activation; an event reversed by GFI1. Binds to RNA at the AG dinucleotide at the 3'-splice site (By similarity). Shows a preference for AGC or AGA (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:

Circular map for RG206335