

## Product datasheet for **RG203613**

### **U2AF65 (U2AF2) (NM\_001012478) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	U2AF65 (U2AF2) (NM_001012478) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	U2AF2
Synonyms:	U2AF65
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG203613 representing NM\_001012478  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTCGGACTTCGACGAGTTCGAGCGGCAGCTCAACGAGAATAACAAGAGCGGGACAAGGAGAACCGGC  
 ATCGGAAGCGCAGCCACAGCCGCTCTCGAGCCGGACCACAAACGCGGAGCCGAGCCGCGACCGGC  
 CAACCGGACCAGCGGAGCGCCTCCCGGACAGCGACGACGACGAAACCTTTGACCAGAGCGCTAAA  
 GAGGAGCACGGTGGACTGATTCGTTCCCGCCACGAGAAGAAGAAGGTCCGTAATACTGGGACG  
 TGCCACCCAGGCTTTGAGCACATCACCCCAATGCAAGTACAAGGCCATGCAAGCTGCGGGTCAATTCC  
 AGCCACTGCTCTTCCACCATGACCCTGACGGTCTGGCTGTGACCCCAACGCCGTGCCCGTGGTC  
 GGGAGCCAGATGACCAGACAAGCCCGCGCCTCTACGTGGCAACATCCCCTTTGGCATCACTGAGGAGG  
 CCATGATGGATTTCTTCAACGCCAGATGCGCCTGGGGGGCTGACCCAGGCCCTGGCAACCCAGTGT  
 GGCTGTGCAGATTAACCAGGACAAGAATTTGCCTTTTGGAGTCCGCTCAGTGGACGAGACTACCCAG  
 GCATATGGCCTTTGATGGCATCATCTCCAGGGCCAGTCACTAAAGATCCGCAGGCCCTCACACTACCCAGC  
 CGCTTCTGCGATGTCAGAGAACCCTCCGTCTATGTGCCTGGGGTGTGTCCACTGTGGTCCCGGACTC  
 TGCCACAAGCTGTTTCATCGGGGCTTACCCAACCTGAAACGATGACCAGGTCAAAGAGCTGCTGACA  
 TCCTTTGGGCCCTCAAGGCCTTCAACCTGGTCAAGGACAGTGCACGGGGCTCTCAAGGGCTACGCCCT  
 TCTGTGAGTACGTGGACATCAACGTACGGATCAGGCCATTGCGGGGTGAACGGCATGCAGCTGGGGGA  
 TAAGAAGTGTGGTCCAGAGGGCGAGTGTGGAGCCAAGAATGCCACGCTGAGCACCATCAATCAGACG  
 CCTGTGACCCTGCAAGTCCCGGCTTGTGAGCTCCCAGTGCAGATGGCGGCCACCCGACTGAGGTCC  
 TGTGCCCTCATGAACATGGTGTGCTGAGGAGCTGTGGACGACGAGGAGTATGAGGAGATCGTGGAGGA  
 TGTGCGGACGAGTGCAGCAAGTACGGGCTTGTCAAGTCCATCGAGATCCCGGCCCTGTGGACGGCGTC  
 GAGGTGCCCGGCTGCGGAAAGATCTTTGTGGAGTTCACCTCTGTGTTTACTGCCAGAAAGCCATGCAGG  
 GCCTGACGGGCCCAAGTTCGCCAACAGAGTGGTGTACAAAATACTGTGACCCGACTTTATCACCC  
 CCGGGACTTCTGG

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>RG203613 representing NM\_001012478  
 Red=Cloning site Green=Tags(s)

MSDFDEFERQLNENKQERDKENRHRKRSHSRSRDRKRRSRDRRRNRDQRSASRDRRRRSKPLTRGAK  
 EEHGGLIRSPRHEKVKRKYWDVPPPGFEHITPMQYKAMQAAGQIPATALLPTMTPDGLAVTPTVPV  
 GSQMTRQARRLYVGNIPFGITEEAMMDFNAQMRLGGLTQAPGNPVLAVQINQDNFAFLFRSVDETTQ  
 AMAFDGIIFQGQSLKIRRPDYQPLPGMSENPSVYVPGVVSTVVPDSAHKLFIGGLPNYLNDDQVKELLT  
 SFGPLKAFNLVKDSATGLSKGYAFCEYVDINVTQAIAGLNGMQLGDKLLVQRASVGAKNATLSTINQT  
 PVTLQVPLMSSQVQMGHPTEVLCMLNMVLELLDDEEYEEIVEDVRDECSKYGLVKSIEIPRPVDGV  
 EVPGCGKIFVEFTSVFDCQKAMQGLTGRKFNRRVVVTKYCDPDSYHRRDFW

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-Mlul



<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001012478.1</a> , <a href="#">NP_001012496.1</a>
<b>RefSeq Size:</b>	3136 bp
<b>RefSeq ORF:</b>	1416 bp
<b>Locus ID:</b>	11338
<b>UniProt ID:</b>	<a href="#">P26368</a>
<b>Cytogenetics:</b>	19q13.42
<b>Protein Pathways:</b>	Spliceosome
<b>Gene Summary:</b>	<p>U2 auxiliary factor (U2AF), comprised of a large and a small subunit, is a non-snRNP protein required for the binding of U2 snRNP to the pre-mRNA branch site. This gene encodes the U2AF large subunit which contains a sequence-specific RNA-binding region with 3 RNA recognition motifs and an Arg/Ser-rich domain necessary for splicing. The large subunit binds to the polypyrimidine tract of introns early during spliceosome assembly. Multiple transcript variants have been detected for this gene, but the full-length natures of only two have been determined to date. [provided by RefSeq, Jul 2008]</p>