

## Product datasheet for **MG204312**

### U2af2 (NM\_133671) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	U2af2 (NM_133671) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	U2af2
Synonyms:	65kDa
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204312 representing NM_133671 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACTTCTTCAACGCCAGATGCGCTTGGGAGGTTGACTCAGGCCCTGGCAACCCAGTCTTGGCTG  
TGCAGATAAATCAAGACAAGAATTTGCCTTTTGGAGTCCGGTCAGTGGATGAGACGACCCAGGCCAT  
GGCATTGATGGCATCATCTCCAGGGCCAGTCATTGAAGATTCGAAGGCCTCATGACTATCAGCCATTG  
CCTGGCATGTGAGAGAACCCTCTGTTTATGTGCCTGGAGTTGTATCCACGGTAGTCCAGATTCTGCC  
ACAAGCTGTTTCATCGGGGTTTGCCCAATTACCTAAATGATGACCAGGTAAGAGCTGCTGACATCCTT  
TGGGCCTCTCAAGGCCTCAACTTGGTTAAGGATAGTGCCACAGGGCTCTCAAGGGCTATGCCTTCTGT  
GAGTACGTGGACATCAACGTACAGATCAGGCCATTGCGGGGCTGAATGGGATGCAGCTAGGGGACAAGA  
AGCTGCTTGTCCAGAGGGCGAGTGTGGGAGCCAAGAATGCCACGCTGAGCACCATCAATCAGACACCTGT  
GACCCCTCAAGTGCCCGGCTGATGAGCTCTCAGGTGAGATGGGCGGTACCCCAACTGAGGTCCTGTGC  
CTCATGAACATGGTGTGCTGAGGAGCTGCTGGACGATGAGGAGATGAGGAGATTGTAGAGGACGTAC  
GAGACGAGTGCAGCAAGTATGGGTTGGTCAAATCCATTGAAATCCCCGCCCCGTGGACGGCGTCGAGGT  
GCCTGGCTGTGAAAGATCTTCGTGGAGTTCACCTCTGTGTTGACTGCCAGAAAGCCATGCAGGGTCTA  
ACCGGTCGCAAGTTCGCCAACAGAGTGGTGGTCAAAAATACTGTGACCCTGATTCTTACCACCGTCGGG  
ACTTCTGG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG204312 representing NM\_133671  
Red=Cloning site Green=Tags(s)

MDFNFNAQMRLLGGLTQAPGNPVLAVQINQDKNFALEFRSVDETTQAMAFDGIIFQGGSLKIRRPDHYQPL  
 PGMSENPSVYVPGVVSTVVPDSAHKLF IGGLPNYLNDQVKELLTSFGPLKAFNLVKDSATGLSKGYAFC  
 EYVDINVTDAQIAGLNGMQLGDKLLVQRASVGAKNATLSTINQTPVTLQVPLMSSQVQMGHPTEVLC  
 LMNMVLP EELL DDEEYEEIVEDVRDECSKYGLVKSIEIPRPVDGVEVPGCGKIFVEFTSVFDCQKAMQGL  
 TGRKFANRVVVTKYCDPDSYHRRDFW

TRTRPLE - GFP Tag - V

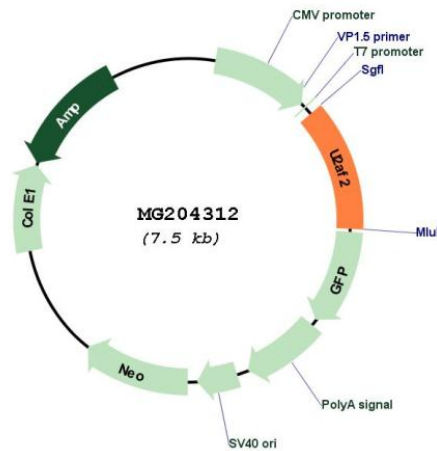
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_133671

**ORF Size:** 918 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<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_133671.1</a> , <a href="#">NP_598432.1</a>
<b>RefSeq Size:</b>	2426 bp
<b>RefSeq ORF:</b>	1416 bp
<b>Locus ID:</b>	22185
<b>Cytogenetics:</b>	7 A1
<b>Gene Summary:</b>	Plays a role in pre-mRNA splicing and 3'-end processing. By recruiting PRPF19 and the PRP19C/Prp19 complex/NTC/Nineteen complex to the RNA polymerase II C-terminal domain (CTD), and thereby pre-mRNA, may couple transcription to splicing. Required for the export of mRNA out of the nucleus, even if the mRNA is encoded by an intron-less gene. Positively regulates pre-mRNA 3'-end processing by recruiting the CFIm complex to cleavage and polyadenylation signals.[UniProtKB/Swiss-Prot Function]