

## Product datasheet for **SC123198**

### U2AF1L3 (U2AF1L4) (NM\_144987) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** U2AF1L3 (U2AF1L4) (NM\_144987) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** U2AF1L3  
**Synonyms:** U2AF1-RS3; U2AF1L3; U2AF1L3V1; U2AF1RS3; U2af26  
**Mammalian Cell Selection:** None  
**Vector:** [pCMV6-XL5](#)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_144987 edited  
AGCGTGGGGCTTGGGTAAAAATGGCTGAATATTTAGCTTCGATATTCGGGACTGAGAAGG  
ACAAGGTTAACTGCTCTTTTACTTTAAGATCGGGTCTGCCGGCACGGGACCGGTGCT  
CCCGGCTTCACAACAAGCCGACATTCAGCCAGGAGGTGTTACAGAACTGCAGGAGAAGT  
ATGGGGAGATTGAAGAGATGAATGTGTGCGACAACCTTGGGGACCACGTCGTGGGCAACG  
TCTATGTCAAGTTCGGAGGGAGGAGGATGGAGAGCGGGCCGTGGCTGAACTCAGTAACC  
GCTGGTTCAACGGGCAGGCTGTGCACGGGAATGTACCCGAGGTGGCTTCTGCAACTTCAT  
GCATCTGCGGCCATTTCCAGAACCTCCAGAGGCAGCTCTATGGGCGGGGACCCAGGCG  
CAGGTCACCCCGAGGTTCCATACTGGCCACAATCCCGAGAGAGGAACCATCGGTGTTCC  
CCCTGATCACTGGCATGGCCGCTTCTGAGGCCCTGGCCCCCTTACCCTTACCCCAACA  
GGGACAGATGTTCTGGCAGGACCTCTCCTCAAAGCCCCCTTCACTCTCCTGCCCATCC  
TTCCCAGGCTCCCGGCTCCATAATGTAATCTGTTTCAGCATGGAGACCTTCTTACC  
CCCTGTCTTAATAAAGCTGCGTGTTCCTTCCGCAAAAAAAAAAAAAAAAAA



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_144987 unedited TCTCTGATTTTGTAAACGACTCACTATAGGGCGGCCGATAACTTCGTATAGCATAACAT TATACGAAGTTATGGATCAAGCCAAATCGGCCGAGCTCGAATTCGTGAGAGCGTGGGGC TTGGGTAAAAATGGCTGAATATTTAGCTTCGATATTCGGGACTGAGAAGGACAAGTTAA CTGCTCTTTTTACTTTAAGATCGGGTCTGCCGGCACGGGGACCGGTGCTCCCGGTTCA CAACAAGGCGACATTCAGCCAGGAGGTGTTACAGAAGTGCAGGAGAAGTATGGGGAGAT TGAAGAGATGAATGTGTGCGACAACCTTGGGGACCACGTCGTGGGCAACGCTATGTCAA GTTCCGGAGGGAGGAGGATGGAGAGCGGGCCGTGGCTGAACTCAGTAACCGCTGGTTCAA CGGGCAGGCTGTGCACGGGAATGTACCCGAGGTGGCTTCTGCAACTTCATGCATCTGCGG CCCATTTCCAGAACCTCCAGAGGCAGCTCTATGGGCGGAGACCCAGGCGCATGTCACCC CCGAGGTTCCATACTGGCCACAATCCCCGAGAGAGGATACCATCGTGTTCCCTGATCAC TGGCATGGCCGCTTCTGATGCCCTGGCCNNCTTACCCTTACCNCNAACAGGGACAGATG TTCCTGGCANGACCTCTCCTCAAAGCCCCCTTCACTCTCCTGGCCATCCTTCCCAGGC TCCGGGGCTCATNNATGTATCTGTTGAGCATGGAGACCTTCTCTACCGCCCTGTGCTA ATAAAGCTGCGTGGTTCCTTCNNGCAAAAAAAAAAAAAACTCTCAGCGCTGGATCCGGC CATAAGGGCCTGATCCTTCNAGGGGGGCCCGTACCGATATCAGCTTGTCACTCTAGATG GCGCCGCGGTCAACTGTTCTGACAGATCCGGGTG
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_144987
<b>Insert Size:</b>	711 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<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>	<u><a href="#">NM_144987.1</a></u> , <u><a href="#">NP_659424.1</a></u>
<b>RefSeq Size:</b>	711 bp
<b>RefSeq ORF:</b>	609 bp
<b>Locus ID:</b>	199746
<b>UniProt ID:</b>	<u><a href="#">Q8WU68</a></u>
<b>Cytogenetics:</b>	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]

Transcript Variant: This variant (2) encodes the longer isoform (2).