

Product datasheet for **SC301664**

U2AF65 (U2AF2) (NM_001012478) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U2AF65 (U2AF2) (NM_001012478) Human Untagged Clone
Tag:	Tag Free
Symbol:	U2AF2
Synonyms:	U2AF65
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001012478, the custom clone sequence may differ by one or more nucleotides ATGTCCGACTTCGACGAGTTCGAGCGGCAGCTCAACGAGAATAAACAAGAGCGGGACAAG GAGAACCAGGCATCGGAAGCGCAGCCACAGCCGCTCTCGGAGCCGGGACCGCAAACGCCGG AGCCGGAGCCGCGACCCGGCGCAACCCGGGACCAGCGGAGCGCCTCCCGGGACAGGCAGCA CGCAGCAAACCTTTGACCAGAGGCGCTAAAGAGGAGCACGGTGGACTGATTCGTTCCCCC CGCCACGAGAAGAAGAAGGTCCGTAATACTGGGACGTGCCACCCCAAGGCTTTGAG CACATCACCCCAATGCAGTACAAGGCCATGCAAGCTGCGGGTCCAGTTCAGCCACTGCT CTTCTCCCAACCATGACCCTGACGGTCTGGCTGTGACCCCAACCGCGGTGCCCGTGGTC GGGAGCCAGATGACCAGACAAGCCCGGCGCCTCTACGTGGCAACATCCCCTTTGGCATC ACTGAGGAGGCCATGATGGATTTCTTCAACGCCAGATGCGCCTGGGGGGGTGACCCAG GCCCCTGGCAACCCAGTGTGGCTGTGCAGATTAACCAGGACAAGAATTTTGCCTTTTTG GAGTTCGGCTCAGTGGACGAGACTACCCAGGCTATGGCCTTTGATGGCATCATCTCCAG GGCCAGTCACTAAAGATCCGCAGGCCTCACGACTACCAGCCGCTTCTGGCATGTCAGAG AACCCCTCCGTCTATGTGCCTGGGGTTGTGTCCACTGTGGTCCCCGACTCTGCCACAAG CTGTTTCATCGGGGCTTACCCAACCTGAACGATGACCAGGTCAAAGAGCTGCTGACA TCCTTTGGGCCCTCAAGGCCTTCAACCTGGTCAAGGACAGTGCCACGGGGCTCTCCAAG GGCTACGCCTTCTGTGAGTACGTGGACATCAACGTACCGATCAGGCCATTGCGGGGCTG AACGGCATGCAGCTGGGGATAAGAAGCTGCTGGTCCAGAGGGCGAGTGTGGGAGCCAAG AATGCCACGCTGAGCACCATCAATCAGACGCCTGTGACCTGCAAGTGCCGGGCTTGATG AGTCCCAGGTGCAGATGGGCGGCCACCCGACTGAGGTCTGTGCCTCATGAACATGGTG CTGCCTGAGGAGCTGCTGGACGACGAGGAGTATGAGGAGATCGTGGAGGATGTGCGGGAC GAGTGCAGCAAGTACGGGCTTGTCAAGTCCATCGAGATCCCCCGGCTGTGGACGGCGTC GAGGTGCCCGGCTGCGGAAAGATCTTTGTGGAGTTCACCTCTGTGTTGACTGCCAGAAA GCCATGCAGGGCCTGACGGGCCGAAGTTCGCCAACAGAGTGGTGTGACAAAATACTGT GACCCCGACTCTTATCACCGCCGGGACTTCTGGTAG
Restriction Sites:	Please inquire
ACCN:	NM_001012478



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OTI Disclaimer:	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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_001012478.1, NP_001012496.1</u>
RefSeq Size:	3136 bp
RefSeq ORF:	1416 bp
Locus ID:	11338
UniProt ID:	<u>P26368</u>
Cytogenetics:	19q13.42
Protein Pathways:	Spliceosome
Gene Summary:	<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> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site compared to variant 1. The resulting isoform (b) has the same N- and C-termini but is shorter compared to isoform a.</p>