

Product datasheet for **SC122300**

U2AF65 (U2AF2) (BC008740) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U2AF65 (U2AF2) (BC008740) Human Untagged Clone
Tag:	Tag Free
Symbol:	U2AF65
Synonyms:	splicing factor U2AF 65 kD subunit; U2 (RNU2) small nuclear RNA auxiliary factor 2; U2 small nuclear ribonucleoprotein auxiliary factor (65kD); U2 small nuclear RNA auxiliary factor 2; U2 snRNP auxiliary factor large subunit; U2AF65
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for BC008740 edited
CTGGAGCGGGCGGCAAGGCGAGGCGAAAGCTGCACAGGGCCCTACGCGGCCGCTCAGCA
TGTCGGACTTCGACGAGTTTCGAGCGGCAGCTCAACGAGAATAAACAAAGAGCGGGACAAGG
AGAACCGGCATCGGAAGCGCAGCCACAGCCGCTCTCGGAGCCGGGACCGCAAACGCCGGA
GCCGGAGCCGCGACCCGGCGCAACCGGGACCAGCGGAGCGCCTCCCGGGACAGGCGACGAC
GCAGCAAACCTTTGACCAGAGGCGCTAAAGAGGAGCACGGTGGACTGATTCGTTCCCCCC
GCCACGAGAAGAAGAAGGTCCGTAATACTGGGACGTGCCACCCCCAGGCTTTGAGC
ACATCACCCCAATGCAGTACAAGGCCATGCAAGCTGCGGGTCAGATTCCAGCCACTGCTC
TTCTCCCCACCATGACCCTGACGGTCTGGCTGTGACCCCAACGCCGGTGCCCGTGGTCG
GGAGCCAGATGACCAGACAAGCCCGGCGCCTCTACGTGGGCAACATCCCCTTTGGCATCA
CTGAGGAGGCCATGATGGATTTCTTCAACGCCAGATGCGCCTGGGGGGGCTGACCCAGG
CCCCTGGCAACCCAGTGTGGCTGTGCAGATTAACCAGGACAAGAATTTTGCCTTTTTGG
AGTTCGCTCAGTGGACGAGACTACCCAGGCTATGGCCTTTGATGGCATCATCTCCAGG
GCCAGTACTAAAGATCCGCAGGCTCAGGACTACCAGCCGCTTCTGGCATGTCAGAGA
ACCCCTCCGCTATGTGCTGGGGTTGTGTCCACTGTGGTCCCGACTCTGCCACAAGC
TGTTTCATCGGGGGCTTACCCAACACTGAACGATGACCAGGTCAAAGAGCTGCTGACAT
CCTTTGGGCCCTCAAGGCCCTTCAACCTGGTCAAGGACAGTGCCACGGGGCTCTCCAAGG
GCTACGCCTTCTGTGAGTACGTGGACATCAACGTACGGATCAGGCCATTGCGGGGCTGA
ACGGCATGCAGCTGGGGGATAAGAAGCTGCTGGTCCAGAGGGCGAGTGTGGGAGCCAAGA
ATGCCACGCTGAGCACCATCAATCAGACGCCTGTGACCTGCAAGTGCCGGGCTTGATGA
GCTCCCAGGTGCAGATGGGCGGCCACCCGACTGAGGTCTGTGCCTCATGAACATGGTGC
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AGTGCAGCAAGTACGGGCTTGTCAAGTCCATCGAGATCCCCCGCCTGTGGACGGCGTCCG
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CCATGCAGGGCCTGACGGGCCGCAAGTTCGCAACAGAGTGTTGTACAAAATACTGTG
ACCCCGACTCTTATACCCGCCGGGACTTCTGGTAGAGGCGGCTGGGGGAGGGTGGGGCA
GGGCTGGCTGGGGGCTTCTCCCACTCCCGCCCCCCTTATCCCCTCTGAAGACGATG
GGCAGAGGAGTGACAGCCGACACACAGACAGCCGGCAGCAACTGGAATGGCAGCAATT
AAGGGTGGGGGGCGGGGTTGGGGGTTGGGGGTTAGGGCAGGGAGGGGACTGGGAAG
TGCGCACACAGCCACACAGACAACACGCACCCACACAGACACAGAGGGAAGGGTTGGG
ATGGGGACAGGGTGCACAGCAGGGCGGGTAGGACCCAGCCCTCCCAAACAGCCTCT
CCTTCTCCATAGACCCCTTCTTCTCCCTTCCCACGGTAGGAACATAGCGTGTTTAT
ATTTTATGGCCAAACTATTTTGAATTTTGTGTCCGGCCCTCAGTGCCCTGCCCTCTCC
TTACCAGGACCACAGCTCTGTTCTTTCGGCCTCTGGTCTCTCTGGTCCCCTCTGGGTT
TCTTACGTAGTTGATTTTCTCTTTAGTCTCCCCGACCTGCGCCAGCCCCGTGGCC
CTGCCCTCTCCTACTCTCTGTGGCAGTTTCATATTTGCTAAGACGAATTTGCTCATTA
ACATTTTGTGTATTTTACTTTAAAAAAAAAAAAAAAAAAAAA
    
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5' Read Nucleotide Sequence:	>OriGene 5' read for BC008740 unedited NGCGCCGGAATTGTATACGACTTATATAGGCGGCACGCGAATTCGCACGAGGCTGGAGCG GGCGGCAAGGCGAGGCGAAAGCTGCACATGGCCCTACGCGGCCGCTCAGCATGTCGGAC TTCGACGAGTTCGAGCGGCAGCTCAACGAGAATAACAAGAGCGGGACAAGGAGAACCGG CATCGGAAGCGCAGCCACAGCCGCTCTCGGAGCCGGGACCGCAAACGCCGGAGCCGGAGC CGCGACCGGCGCAACCGGGACCAGCGGAGCGCCTCCCGGGACAGGCGACGACGCAGCAAA CCTTTGACCAGAGGCGCTAAAGAGGAGCACGGTGGACTGATTTCGTTCCCCCGCCACGAG AAGAAGAAGAAGTCCGTAAATACTGGGACGTGCCACCCAGGCTTTGAGCACATCACC CCAATGCAGTACAAGCCATGCAAGCTGCGGGTCAAGTCCAGCCACTGCTCTTCTCCCC ACCATGACCCCTGACGGTCTGGCTGTGACCCCAACGCCGGTGCCCGTGGTGGGAGCCAG ATGACCAGACAAGCCGGCGCCTCTACGTGGGCAACATCCCTTTGGCATCACTGAGGAG GCCATGATGGATTTCTTCAACGCCAGATGCGCCTGGGGGGGCTGACCCAGGCCCTGGC AACCCAGTGTGGCTGTGCAGATTAACCAGGACAAGAATTTTGCCTTTTTGGAGTCCGC TCAGTGGACGAGACTACCCAGGCTATGGCCTTTGATGGCATCATCTCCAGGGCCAGTCA CTAAGATCCCGCAGCCTCACGACTACCAGCCGCTTCTGGCATGTCAGAGAACCCTCC GTCTATGTGCCTGGGGTTGTGTCCACTGTGGGTCCCGACTCTGCCACNAGCTGNTCATC GGGGGC
Restriction Sites:	Please inquire
ACCN:	BC008740
Insert Size:	2149 bp
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).
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>BC008740.2</u> , <u>AAH08740.1</u>
RefSeq Size:	2140 bp
Locus ID:	11338
Cytogenetics:	19q13.42
Protein Pathways:	Spliceosome

Gene Summary:

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]