

## Product datasheet for **SC126972**

### U2AF35 (U2AF1) (AK098266) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	U2AF35 (U2AF1) (AK098266) Human Untagged Clone
Tag:	Tag Free
Symbol:	U2AF35
Synonyms:	FP793; RN; RNU2AF1; U2AF35; U2AFBP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for AK098266, the custom clone sequence may differ by one or more nucleotides

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TTATAATATTTCTAGTTTGAGCCAGGTGCGGTGTCTCACGCCTGTAATCACAGCACTTTGGGAGGCCA
AGGCAGGCGGATCACTTGAGGTCAGGAGTTCAAGACCAGCCTGCCAACGTGGTGAACCCCTGTCTGTACT
AAAAATAAAAAAAAAAAAAAAAAATTAGCCGGCGTGGTGGCAGTCGCCTGTAGTCCCAGCAACTCCA
GAGGCTGAGACAGGAGAATCGCTTGAACCCAGAGGTGGAGGTTGCAGTGAGCTGAGATGGTGCCACTGC
ACTCCAGCCTGGGCGACAGAGCCAGACTGCATCTTGTGGTGTAAAAAAAAAATTTGTAGTTTGAGAGTC
AACTTTTTCTCACAGTTTCTGAAAATGTGCCCTTTTGTAGTAAAGCTGGTTGTGATTTAAACA
CCTTAGTAGCCAGAATCGAGACTGTCATGGGACATTTAAAATCTCACCACACTTGACACCATTACAAG
TAGCCATGTGGCTCAGTCTCCTGAGTGCCTGCAGAGTGCAGCTCTGCCAGGCTTTTCTCTAGATAATC
TCGTGTGTGTTACTGTAGCAGTTTGTAGTTTAAACACAAGAGTTCACTCGGTTAACATGTTCTAACCGCA
AGATTTCTGTTGTTTGCAGGTGCCGTGAGCGATGTGGAGATGCAGGAACACTATGATGAGTTTTTGGAGG
TGAGAGAACTGAACCTGTGACTGATAGACCTGTTGATCTTCTGTATCTGTTTGGAAAGGATTTAAAATGT
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TGTGGTCTCCCTCAGGAGGTTTTACAGAAATGGAGGAGAAGTATGGGGAAGTAGAGGAGATGAACGTC
TGTGACAACTGGGAGACCACCTGGTGGGAACGTGTACGTCAAGGTAGGAGCCAGGCGGAGACGGCGGC
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GTGCGCCAGCCAGCAGAACTGAAGGACGGACCGTACACCACAGCCATCGTTATTTTCAAGTGTAGAAATATT
TAGTACCTGTTGGTTTAGAAGCTGTGTGGACTAAGGAAAAGTTAGGTTTACTCACATGTTTGGTTTCTTT
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GGATTGTAATTGAGAAAGTCTTATTAAGCGTGGATGGCAAGCACTTCTGTTTTGTCTTTTCAGTTTC
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GCCGTGAGGAAGATGCGGAAAAGGCTGTGATTGACTTGAATAACCGTTGGTTTAAATGGACAGCCGATCCA  
 CGCCGAGCTGTCACCCGTGACGGACTTCAGAGAAGCCTGCTGCCGTGAGTATGAGATGGGAGAATGCACA  
 CGAGGCGGCTTCTGCAACTTCATGCATTGAAGCCATTTCCAGAGAGCTGCGGCGGGAGCTGTATGGCC  
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 CTTATCAGTGGCCTTGGCTTGGAGAGCTGCGCGTGTGAGAGAGTGGGTGTGGTTCTGTGCTGCGTGCCG  
 TGGTTTGGATGGCAGGTTTTCTTATTTTCTTGGTTGCAGGCATAGATCAAGATCCCATCCCAGGAG  
 CGTCGTTCTCGTCTAGAGACCGTGGTGTGGCGGTGGCGGTGGCGGTGGAGGTGGCGGCGGACGGG  
 AGCGTGCAGAGGCGGTCGAGAGATCGTGAAGATCTGGGCGATTCTGAGCCATGCCATTTTTACCTTA  
 TGCTGTGTAAGAGTGTGTAGTTGATTGACCAACCAGTTCATAAGGGGAATTTTTTTTTAAAAACAAC  
 AAAAAAAAAACATAAAGATGGGTTTCTGAATAAAATTTGTAGTGAT

**5' Read Nucleotide Sequence:**

>OriGene 5' read for AK098266 unedited  
 GGGCGGCCCGCAATTCGCACGAGGCAGGAACACTATGATGATTTTTTGAGGAGGTTTT  
 TACAGAAAATGGAGGAGAAAAGTATGGGGAAGTAGAGGAGATGAACGTCTGTGACAACCTGG  
 GAGACCACCTGGTGGGGAACGTGTACGTCAAGGTAGGAGCCAGGCGAGACGCGCGCGTG  
 GCCGCTTAGTGTGCCGGGGCCAAGGCCACAGGCAACAGGCGAAAGCGAGACAGTGGTGCAGCCGCT  
 TAGTGTGCCGGGGCCAAGGCCGACAGAGGATTGGGGTGCCTGTGCCCATGCACCTNTGAG  
 ATCCTGGATGCTCAGGCGCACAGCAGGGGCTCAGGTGCACTGGCTCGGCGCCTACCGGCT  
 GCGTCATATGTGGGCGGTGGCCAGCCACACGTGCGCCCAGCCAGCAGAACTGAAGGACG  
 GACCGTACACCACAGCCATCGTTATTTTCAAGTGTAGAATATTTAGTACCTGGTTGGTTTTAG  
 AAGCTGTGTGGACTAAGGAAAAGTTAGGTTTACTCACATGTTGGTTTTCTTTTTCTTTT  
 TTAGTGAATAAACTTTATTTGCCTACACAGCCATATTTGCTCCTTAACCAAGTTGAATT  
 TGAAAAATGAAGCAACATTTGGCAAAATCTTGGACTTCTTTGAAGTTAATCTCATTGA  
 AAATAAAAGGATTTTTCAATTATCCTGGTATACTATTCCACCTTACTATACCTGGAAGTG  
 GGTATATCTCTCTGATACATACTTGGGATGGGGATGGGAAAAAGTCTTATTAAGCGTG  
 GGATGGCAGCACTTCTGGGTTTTGCCTTTTCAAGTTCACCCCGGAGGAAAAATGCGGAAAAG  
 CTTGGGATGACTTGATAAACCGTGGGTTTAAATGACGGNCGATCCA

**Restriction Sites:**

NotI-NotI

**ACCN:**

AK098266

**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).

<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="#">AK098266.1</a>
<b>RefSeq Size:</b>	3339 bp
<b>RefSeq ORF:</b>	3339 bp
<b>Locus ID:</b>	7307
<b>Cytogenetics:</b>	21q22.3
<b>Protein Families:</b>	Stem cell - Pluripotency
<b>Protein Pathways:</b>	Spliceosome
<b>Gene Summary:</b>	This gene belongs to the splicing factor SR family of genes. U2 auxiliary factor, comprising 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 small subunit which plays a critical role in both constitutive and enhancer-dependent RNA splicing by directly mediating interactions between the large subunit and proteins bound to the enhancers. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]