

Product datasheet for **SC319453**

U2AF35 (U2AF1) (NM_006758) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: U2AF35 (U2AF1) (NM_006758) Human Untagged Clone
Tag: Tag Free
Symbol: U2AF35
Synonyms: FP793; RN; RNU2AF1; U2AF35; U2AFBP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_006758.2
 CGACGGCAGCGGCGGGTGGGAAATGGCGGAGTATCTGGCCTCCATCTTCGGCAC
 CGAGAAAGACAAAGTCAACTGTTCAATTTATTTCAAATTTGGAGCATGTCGTCATGGAGA
 CAGGTGCTCTCGTTGCACAATAAACCGACGTTTAGCCAGACCATTGCCCTCTTGAACAT
 TTACCGTAACCCCTCAAACCTCTTCCCAGTCTGCTGACGGTTTGGCTGTGCCGTGAGCGA
 TGTGGAGATGCAGGAACACTATGATGAGTTTTTGGAGGTTTTTACAGAAATGGAGGA
 GAAGTATGGGGAAGTAGAGGAGATGAACGTCTGTGACAACCTGGGAGACCACCTGGTGGG
 GAACGTGTACGTCAAGTTTCGCCGTGAGGAAGATGCGGAAAAGGCTGTGATTGACTTGAA
 TAACCGTTGGTTAATGGACAGCCGATCCACGCCGAGCTGCACCCGTGACGGACTTCAG
 AGAAGCCTGCTGCCGTGAGTATGAGATGGGAGAATGCACACGAGGCGGCTTCTGCAACTT
 CATGCATTTGAAGCCATTTCCAGAGAGCTGCGGCGGGAGCTGTATGGCCGCCGTGCGAA
 GAAGCATAGATCAAGATCCCGATCCCGGAGCGTCGTTCTCGGTCTAGAGACCGTGGTCCG
 TGGCGGTGGCGGTGGCGGTGGTGGAGGTGGCGGCGGACGGGAGCGTGACAGGAGGCGGTC
 GAGAGATCGTGAAAGATCTGGGCGATTCTGAGCCATGCCATTTTTACCTTATGTCTGCTA
 GAAAGTGTGTAGTTGATTGACCAAACAGTTCATAAGGGGAATTTTTTAAAAACAA
 CAAAAAAAAAACATACAAAGATGGGTTTCTGAATAAAATTTGTAGTGATAACAGTAA
 AAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_006758

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).



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| 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: | NM_006758.2 , NP_006749.1 |
| RefSeq Size: | 971 bp |
| RefSeq ORF: | 723 bp |
| Locus ID: | 7307 |
| UniProt ID: | Q01081 |
| Cytogenetics: | 21q22.3 |
| Domains: | RRM, zf-CCCH, RRM_1 |
| Protein Families: | Stem cell - Pluripotency |
| Protein Pathways: | Spliceosome |
| Gene Summary: | <p>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]</p> <p>Transcript Variant: This variant (a) lacks an in-frame segment of the coding region, compared to variant c. The resulting isoform (a) has a longer N-terminus when compared to isoform c.</p> |