

Product datasheet for **SC302367**

U2AF35 (U2AF1) (NM_001025203) Human Untagged Clone

Product data:

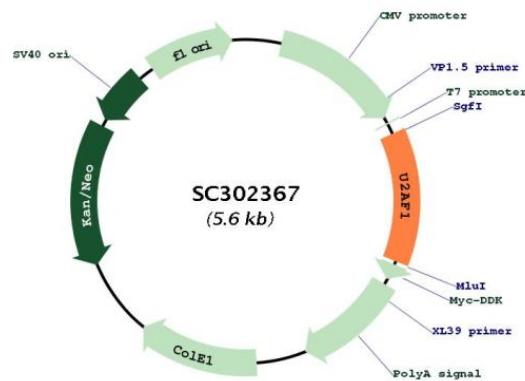
Product Type:	Expression Plasmids
Product Name:	U2AF35 (U2AF1) (NM_001025203) Human Untagged Clone
Tag:	Tag Free
Symbol:	U2AF1
Synonyms:	FP793; RN; RNU2AF1; U2AF35; U2AFBP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC302367 representing NM_001025203. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGGAGTATCTGGCCTCCATCTTCGGCACCGAGAAAGACAAAGTCAACTGTTCAATTTATTTCAA
ATTGGAGCATGTCGTCATGGAGACAGGTGCTCTCGGTTGCACAATAAACCGACGTTTAGCCAGACCATC
TTGATTCAAACATCTATCGTAATCCCCAAAACAGTGCACAGACGGCTGACGGCTCACACTGTGCCGTG
AGCGATGTGGAGATGCAGGAACACTATGATGAGTTTTTTGAGGAGTTTTTACAGAAATGGAGGAGAAG
TATGGGAAGTAGAGGAGATGAACGTCTGTGACAACTGGGAGACCACCTGGTGGGAACGTGTACGTC
AAGTTTCGCCGTGAGGAAGATGCGGAAAAGGCTGTGATTGACTTGAATAACCGTTGGTTAATGGACAG
CCGATCCACGCCGAGCTGTACCCGTGACGGACTTCAGAGAAGCCTGCTGCCGTCAGTATGAGATGGGA
GAATGCACACGAGGCGGCTTCTGCAACTTCATGCATTTGAAGCCATTTCCAGAGAGCTGCGCGGGAG
CTGTATGGCCGCGTCGCAAGAAGCATAGATCAAGATCCCAGTCCCAGGAGCGTCTGTTCTCGGTCTAGA
GACCGTGGTCTGTGGCGTGGCGGTGGCGGTGGTGGAGGTGGCGCGGACGGGAGCGTGACAGGAGCGG
TCGAGAGATCGTAAAGATCTGGGCGATTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: Sgfl-MluI



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Plasmid Map:


ACCN: NM_001025203

Insert Size: 723 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).

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:

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_001025203.1](#)

RefSeq Size: 971 bp

RefSeq ORF: 723 bp

Locus ID: 7307

UniProt ID: [Q01081](#)

Cytogenetics: 21q22.3

Protein Families: Stem cell - Pluripotency

Protein Pathways: Spliceosome

MW: 27.9 kDa

Gene Summary: 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]
Transcript Variant: This variant (b) lacks an in-frame segment of the coding region, compared to variant c. The resulting isoform (b) has a longer N-terminus when compared to isoform c.