

## Product datasheet for **SC310723**

### U2AF1L3 (U2AF1L4) (NM\_001040425) Human Untagged Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids  |
| Product Name:             | U2AF1L3 (U2AF1L4) (NM_001040425) Human Untagged Clone                                      |
| Tag:                      | Tag Free   |
| Symbol:                   | U2AF1L3  |
| Synonyms:                 | U2AF1-RS3; U2AF1L3; U2AF1L3V1; U2AF1RS3; U2af26  |
| Mammalian Cell Selection: | Neomycin   |
| Vector:                   | pCMV6-Entry (PS100001)   |
| E. coli Selection:        | Kanamycin (25 ug/mL)   |
| Fully Sequenced ORF:      | >SC310723 representing NM_001040425.<br>Blue=Insert sequence Red=Cloning site Green=Tag(s) |

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCTGAATATTTAGCTTCGATATTCGGGACTGAGAAGGACAAGGTTAACTGCTCTTTTACTTTAAG
ATCGGGGTCTGCCGGCACGGGGACCGGTCTCCCGGCTTCACAACAAGCCGACATTCAGCCAGGAGGTG
TTCACAGAACTGCAGGAGAAGTATGGGGAGATTGAAGAGATGAATGTGTGCGACAACCTGGGGACCAC
CTCGTGGCAACGTCTATGTCAAGTTCGGAGGGAGGAGGATGGAGAGCGGGCCGTGGCTGAACTCAGT
AACCGCTGGTTCAACGGCAGGCTGTGCACGGTGAGCTGTCTCCTGCTACTGACTTCGGGAGTCATGC
TGTCGCCAGTATGAGATGGGGAAATGTACCCGAGGTGGCTTCTGCAACTTCATGCATCTGCGGCCATT
TCCCAGAACCTCCAGAGGCAGCTCTATGGCGGGGACCCAGGCGCAGGTCACCCCGAGGTTCCATACT
GGCCACCATCCCCGAGAGAGGAACCATCGGTGTTCCCCTGATCACTGGCATGGCCGCTTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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|--------------------|--|
| Restriction Sites: | Sgfl-MluI  |
| ACCN:              | NM_001040425   |
| Insert Size:       | 546 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). |



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|                               |  |
|-------------------------------|--|
| <b>OTI Annotation:</b>        | 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.   |
| <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>                | <u><a href="#">NM_001040425.2</a></u>  |
| <b>RefSeq Size:</b>           | 799 bp   |
| <b>RefSeq ORF:</b>            | 546 bp   |
| <b>Locus ID:</b>              | 199746   |
| <b>UniProt ID:</b>            | <u><a href="#">Q8WU68</a></u>  |
| <b>Cytogenetics:</b>          | 19q13.12   |
| <b>MW:</b>                    | 21.3 kDa   |
| <b>Gene Summary:</b>          | <p>RNA-binding protein that function as a pre-mRNA splicing factor. Plays a critical role in both constitutive and enhancer-dependent splicing by mediating protein-protein interactions and protein-RNA interactions required for accurate 3'-splice site selection. Acts by enhancing the binding of U2AF2 to weak pyrimidine tracts. Also participates in the regulation of alternative pre-mRNA splicing. Activates exon 5 skipping of PTPRC during T-cell activation; an event reversed by GFI1. Binds to RNA at the AG dinucleotide at the 3'-splice site (By similarity). Shows a preference for AGC or AGA (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) has an alternate splice site in the coding region, which results in reading frameshift, compared to variant 2. The resulting isoform (1) is shorter and has a distinct C-terminus, compared to isoform 2.</p> |