

Product datasheet for **MC227883**

U2af2 (NM_001205231) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U2af2 (NM_001205231) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	U2af2
Synonyms:	65kDa
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC227883 representing NM_001205231
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCGGACTTCGACGAGTTCGAGCGGCAGCTCAACGAGAATAACAAGAGCGGGACAAGGAGAATCGGC
 ACAGGAAGCGTAGTCACAGTCGCTCTCGAAGCCGAGATCGAAAGCGCAGGAGCAGGAGCCGAGATCGGCG
 CAACCGGGACCAGCGCAGTGCCTCTCGGGATAGGAGACGACGAAGCAAACCTTTGACCAGAGCGCTAAA
 GAGGAGCACGGTGGATTGATTCTCTCCCGCCATGAGAAGAAGAAGAAGGTGCGTAAATACTGGGACG
 TGCCACCCTGGCTTTGAGCACATCACCCCAATGCAAGTACAAGGCCATGCAAGCTGCGGGTTCAGATTCC
 AGCCACTGCCCTTCTCCCGACCATGACTCCTGATGGTCTGGCTGTGACCCCAACGCCAGTGCCTGTGGTT
 GGGAGCCAGATGACCAGACAGGCCAGCGTCTCTACGTGGCAACATCCCTTTTGGCATTACTGAGGAGG
 CTATGATGGACTTCTTCAACGCCAGATGCGCTTGGGAGGGTTGACTCAGGCCCTGGCAACCCAGTCTT
 GGCTGTGCAGATAAATCAAGACAAGAATTTTGCCTTTTGGAGTTCGGTTCAGTGGATGAGACGACCCAG
 GCCATGGCATTGATGGCATCATCTCCAGGGCCAGTATTGAAGATTGAAGGCCCTCATGACTATCAGC
 CATTGCCTGGCATGTGAGAGAACCCTCTGTTATGTGCCTGGAGTTGTATCCACTGTAGTCCCAGATTC
 TGCCACAAGCTGTTTCATCGGGGGTTTGCCTAATTACCTAAATGATGACCAGGTAAGAGAGCTGCTGACA
 TCCTTTGGGCCTCTCAAGGCCTTCAACTTGGTTAAGGATAGTGCCACAGGGCTCTCAAGGGCTATGCCT
 TCTGTGAGTACGTGGACATCAACGTACAGATCAGGCCATTGCGGGGCTGAATGGGATGCAGCTAGGGGA
 CAAGAAGCTGCTGTCCAGAGGGCGAGTGTGGGAGCCAAGAATGCCACGCTGGTGAAGCTCCCGAGCACC
 ATCAATCAGACACCTGTGACCTTCAAGTGCCTGGCTGATGAGCTCTCAGGTGCAGATGGGCGGTCCACC
 CAACTGAGGTCTGTGCCTCATGAACATGGTGCCTGAGGAGCTGGACGATGAGGAGTATGAGGA
 GATTGTAGAGGACGTACGAGACGAGTGCAGCAAGTATGGGTTGGTCAAATCCATTGAAATCCCCGGCCC
 GTGGACGGCGTCGAGGTGCCTGGCTGTGAAAGATCTTCGTGGAGTTCACCTCTGTGTTTACTGCCAGA
 AAGCCATGCAGGGTCTAACCAGTTCGCAAGTTCGCCAACAGAGTGGTGGTCAAAAATACTGTGACCTGA
 TTCTTACCACCGTCGGGACTTCTGGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001205231
- Insert Size:** 1428 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:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001205231.1](#), [NP_001192160.1](#)

RefSeq Size: 2202 bp

RefSeq ORF: 1428 bp

Locus ID: 22185

UniProt ID: [P26369](#)

Cytogenetics: 7 A1

Gene Summary: Plays a role in pre-mRNA splicing and 3'-end processing. By recruiting PRPF19 and the PRP19C/Prp19 complex/NTC/Nineteen complex to the RNA polymerase II C-terminal domain (CTD), and thereby pre-mRNA, may couple transcription to splicing. Required for the export of mRNA out of the nucleus, even if the mRNA is encoded by an intron-less gene. Positively regulates pre-mRNA 3'-end processing by recruiting the CFIm complex to cleavage and polyadenylation signals.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).