

Product datasheet for **MR230094**

U2af2 (NM_001205231) Mouse Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>MR230094 representing NM_001205231
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCGGACTTCGACGAGTTCGAGCGGCAGCTCAACGAGAATAACAAGAGCGGGACAAGGAGAATCGGC
 ACAGGAAGCGTAGTCACAGTCGCTCTCGAAGCCGAGATCGAAAGCGCAGGAGCAGGAGCCGAGATCGGCG
 CAACCCGGGACCAGCGCAGTGCCTCTCGGGATAGGAGACGACGAAGCAAACCTTTGACCAGAGGCGCTAAA
 GAGGAGCACGGTGGATTGATTCTCTCCCGCCATGAGAAGAAGAAGAAGGTGCGTAAATACTGGGACG
 TGCCACCCGCTGGCTTTGAGCACATCACCCCAATGCAGTACAAGGCCATGCAAGCTGCGGGTCTAGATTCC
 AGCCACTGCCCTTCTCCCGACCATGACTCCTGATGGTCTGGCTGTGACCCCAACGCCAGTGCCTGTGGTT
 GGGAGCCAGATGACCAGACAGGCCAGACGTCTCTACGTGGCAACATCCCTTTTGGCATTACTGAGGAGG
 CTATGATGGACTTCTTCAACGCCAGATGCGCTTGGGAGGGTTGACTCAGGCCCTGGCAACCCAGTCTT
 GGCTGTGCAGATAAATCAAGACAAGAATTTTGCCTTTTGGAGTTCGGTTCAGTGGATGAGACGACCCAG
 GCCATGGCATTGATGGCATCATCTCCAGGGCCAGTATTGAAGATTGCAAGGCCCTCATGACTATCAGC
 CATTGCCTGGCATGTCAGAGAACCCTCTGTTATGTGCCTGGAGTTGTATCCACTGTAGTCCCAGATTC
 TGCCACAAGCTGTTTCATCGGGGGTTGCCAATTACCTAAATGATGACCAGGTAAGAGAGCTGCTGACA
 TCCTTTGGGCCTCTCAAGGCCTTCAACTTGGTTAAGGATAGTGCCACAGGGCTCTCAAGGGCTATGCCT
 TCTGTGAGTACGTGGACATCAACGTACAGATCAGGCCATTGCGGGGCTGAATGGGATGCAGTAGGGGA
 CAAGAAGCTGCTGTCCAGAGGGCGAGTGTGGGAGCCAAGAATGCCACGCTGGTGAAGCTCCCGAGCACC
 ATCAATCAGACACCTGTGACCTTCAAGTGCCTGGCTGATGAGCTCTCAGGTGCAGATGGGCGGTCAAC
 CAACTGAGGTCTGTGCCTCATGAACATGGTGCCTGAGGAGCTGGGACGATGAGGATGAGGATGAGGA
 GATTGTAGAGGACGTACGAGACGAGTGCAGCAAGTATGGGTTGGTCAAATCCATTGAAATCCCGCCCC
 GTGGACGGCGTCGAGGTGCCTGGCTGTGAAAAGATCTTCGTGGAGTTCACCTCTGTGTTGACTGCCAGA
 AAGCCATGCAAGGTCTAACCAGTTCGCAAGTTCGCCAACAGAGTGGTGGTCAAAAATACTGTGACCTGA
 TTCTTACCACCGTCGGGACTTCTGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230094 representing NM_001205231
 Red=Cloning site Green=Tags(s)

MSDFDEFERQLNENKQERDKENRHRKRSHSRSRDRKRRSRDRRNRDQRSASDRRRRSKPLTRGAK
 EEHGGLIRSPRHEKKKVRKYWDVPPPGFEHITPMQYKAMQAAGQIPATALLPTMTDGLAVTPTVPV
 GSQMTRQARRLYVGNIPFGITEEAMDDFNMQMRLGGLTQAPGNPVLAVQINQDNFAFLEFRSVDETTQ
 AMAFDGIIFQGQSLKIRRPDYQPLPGMSENPSVYVPGVVSTVVPDSAHKLFIGGLPNYLNDQVKELLT
 SFGPLKAFNLVKDSATGLSKGYAFCEYVDINVTDAQIAGLNGMQLGDKLLVQRASVGAKNATLVSLPST
 INQTPVTLQVPLMSSQVQMGHPTEVLCMLNMVLPPELLDDEEYEEIVEDVRDECSKYGLVKSIEIPRP
 VDGEVPEGCGKIFVEFTSVFDCQKAMQGLTGRKFANRVVVTYKCDPDSYHRRDFW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

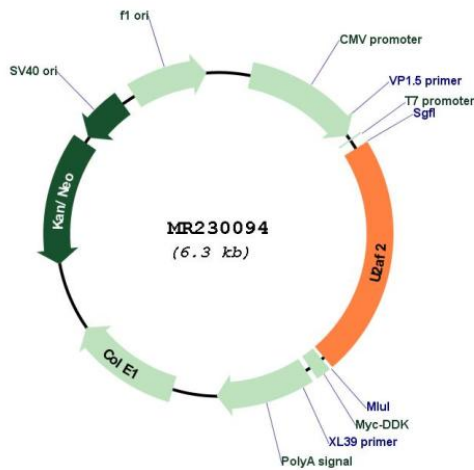
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001205231

ORF Size:

1425 bp

OTI Disclaimer:

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation:

This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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

MW: 54 kDa

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]