

Product datasheet for **RN206421**

U2af114 (NM_001008775) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: U2af114 (NM_001008775) Rat Untagged Clone
Tag: Tag Free
Symbol: U2af114
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >RN206421 representing NM_001008775
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGAATATTTAGCTTCGATATTCGGGACTGAGAAGGACAAGGTTAACTGCTCTTTTTACTTTAAGA
TTGGGGCTGCCGGCACGGGGACCGGTGCTCCCGACTTCACAACAACCGACTTTCAGCCAGACCATAGT
CCTGCTCAACTTGTACCGGAACCCACAGAACACAGCCAACTGCAGATGGATCACACTGTCACGTGAGC
GATGTGGAGGTGCAAGAACAATGATAAATCTTTGAGGAGGTATTCACAGAAGTGCAGGAGAAGTATG
GAGAAATTGAAGAGATGAATGTGTGATAACCTCGGGGACCACCTCGTGGGCAATGCTATGTTAAGTT
CCGGCGGGAGGAGATGCAGAGCGGGCTGTGGCGAACTCAATAACCGCTGGTTCAACGGGCAGGCTGTG
CATGCTGAGCTGTCTCCGGTCACTGACTCCGAGAGTCATGCTGCCGACAGTATGAGATGGGGAAATGTA
CCCAGAGTGGCTTCTGCAACTTTATGCACCTGCGACCCATATCCAGGAACTTGCGCCGGCAGCTCTATGG
GCGAGGACCCAGGCATAGGTACCTCCAAGTCCCATACAGGTCACCGACCCCGAGAAAGGAACCGACGC
CGTTCCCAGACCACCGCATGGTCGCTT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001008775
Insert Size: 663 bp



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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).
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:	<u>NM_001008775.1</u> , <u>NP_001008775.1</u>
RefSeq Size:	709 bp
RefSeq ORF:	663 bp
Locus ID:	361542
UniProt ID:	<u>Q7TP17</u>
Cytogenetics:	1q21
Gene Summary:	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. Shows a preference for AGC or AGA.[UniProtKB/Swiss-Prot Function]