

Product datasheet for MC212173

U2af1 (NM_001163769) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: U2af1 (NM_001163769) Mouse Untagged Clone
Tag: Tag Free
Symbol: U2af1
Synonyms: 35kDa; 2010107D16Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC212173 representing NM_001163769
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCGGAATACTGGCCTCCATCTTCGGCACCGAAAAAGACAAAGTCAACTGTTCATTTTATTTCAAAA
TCGGAGCATGTCGTATGGAGACAGATGTTCTCGGTTGCACAATAAACCAACCTTAGCCAGACCATCTT
GATTCAAAACATCTATCGTAATCCCAAACAGTGCACAGACGGCTGACGGCTCACACTGTGCTGTGAGC
GACGTGGAGATGCAGGAGCACTATGATGAGTCTTTGAGGAAGTCTTCACTGAGATGGAAGAGAAGTACG
GGGAAGTCGAGGAGATGAACGTCTGCGACAACCTAGGGGACCACCTGGTGGGAACGTGTATGTCAAGTT
TCGACGTGAGGAGGATGCAGAGAAAGCCGTGATCGACTTGAATAACCGTTGGTTTAAATGGACAGCCGATC
CATGCAGAGCTGTCCCAAGTAACTGACTTCAGGGAAGCCTGCTGCCCGCAGTATGAAATGGGAGAGTGCA
CAAGAGGGGGCTTCTGCAACTTCATGCATTTGAAGCCATCTCAAGAGAGCTACGACGGGAGCTGTATGG
GCGCCGGCGCAAGAAGCATAGATCCAGGTCCCGATCCAGGGAACGGCGTTCCCGATCCAGAGACCGTGGA
CGCGTGGTGGAGGTGGAGGTGGAGGTGGCGGAGGACGGGAGCGTGACAGGAGCGGTCAAGAGACCGGG
AGAGATCTGGACGATT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001163769
Insert Size: 720 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_001163769.1</u> , <u>NP_001157241.1</u>
RefSeq Size:	907 bp
RefSeq ORF:	720 bp
Locus ID:	108121
UniProt ID:	<u>Q9D883</u>
Cytogenetics:	17 B1
Gene Summary:	<p>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. Recruits U2 snRNP to the branch point. Directly mediates interactions between U2AF2 and proteins bound to the enhancers and thus may function as a bridge between U2AF2 and the enhancer complex to recruit it to the adjacent intron (By similarity). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks an alternate coding exon but contains another compared to variant 1. Variants 1 and 2 are the same length, as are isoforms 1 and 2; however, their sequences vary slightly.</p>