

## Product datasheet for **RR203833**

### Upf2 (NM\_001108421) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Upf2 (NM\_001108421) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Upf2  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR203833 representing NM\_001108421  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGCCAGCTGAGCGGAAAAAGTCAGCAAGTATGGAGGAAAAAGAATCTTTACTAAACAACAGGAAAAAG  
ACTGCAGTGAGAGGCGGCCAGTGAGCAGCAAGGAGAAAAAAGAACGATCTCAAGATCACTGCCAAGAA  
GGAGGTCAGTAAGGTCCAGAAAGACAAAAAGAAGAACTGGAAGAAGATAAGAGAAAAAGGAAGACAAG  
GAACGTAAGAAAAAGAGGAAGAGAAGGTGAAGGCAGAGGAAGGTTGAAGAAGAAGGAAGAGAAAGAAA  
AGAAAAACAGGAAGAGGAAGAGAGGAAAAAGCAGGAGGAGCAGGCCAAGCGGCAGCAGGAAGAAGCAGC  
TGCCAGCTGAAAGAGAAAGAAGTCTCTTCAGCTTCATCAGGAGGCGTGGAAACGCCATCAACTACGA  
AAGGAAGTCCGTAGCAAAAACAAAATGCTCCAGACAACCGACCAGGAAAAATTTCTTTAGCCGCTAG  
ATTCGAGCTTAAAGAAAAATACTGCTTTGTCAAGAACTAAAAACAATTACAGAACAACAGAGAGACTC  
CTTGCTCATGATTTAATGGCCTGAATTAAGCAAATATATTGGGAAGCCGTAGCTTCCATTGTGGAA  
GCAAAATAAAAATCTCTGACGTGAAGTGTCCGTGCACCTCTGCTCTCTTTACCAGCGGTACGCTG  
ACTTTGCACCCTCACTTCTTCAGGTGTGAAAAACATTTTGAAGCAAGGAAAGAGGAGAAAAACGCCAA  
CATTACCAAGCTAAGAAGTACTTGCATTTTCATTGCAGAAATGACAATAGTGGGAATCTCACTGACAAG  
GAAGGTCTTCTTAATCTATGAACAGCTAAAAAGTATTATTAATGCTGATCGAGAATCCACACTCATG  
TGTCTGTGGTATTAGTTTCTGTCGTCATTGTGGAGATGATATTGCTGGACTTGTACCGAGGAAAGTAA  
GAGTGTGCAGAGAAGTTAATTTGAAGTCTTCTCCTAGTGAGATAATTAGCCAGAGAAGCAGCAGCCT  
TTCCAGAACTTTTTAAAAGAGTACTTTACGCTCTGACCAACACCTGAAAAGGGACCACAGGGAGCTTC  
AGAATACTGAGAGGCAAAACAGGCGTATTCTGCACTCTAAAGGCGAGCTAAGTGAAGACAGGCATAAACA  
GTATGAAGAGTTCGCCATGTCTTACCAGAAGCTGCTGGCAAATCTCAATCCTTAGCCGACCTTTTGGAT  
GAAAATATGCCAGATCTTCTCAGGACAAACCGACACCAAGAGCAGTGGACTTGAATCGATATATTTA  
CACCTGAAAAACCTGGAGAATATGACTTGAAGGTGGCATATGGGAAGCAGAAAGACGCTCGGAATTTTTA  
TGAAAACTCATCGATTTGAAAGCATTGTTCAGCCATCTTGTTTAAAGACAATGAAAAAGTCAGAAC  
AAAGATTCTAGCAAAGATGATTCAAAAGAGGCAAAAAGAACAAAGGATAATAAGGAAGCATCAAGTCCCG  
ATGATTTGGAAGTGTGAGTTGAGAAATTTAGAAATTAATGATGACACACTGGAGTTAGAAGGTGGAGATGA  
AGCTGAAGATCTTACAAAGAACTCCTTGATGAACAAGAACAAGAAGATGAAGAAGCCAGCACTGGATCT



[View online »](#)

CACCTCAAACATCATAGTGGATGCTTTCCTCCAGCAGCTGCCAACTGTGTCAACCGAGACCTGATTGACA  
AGGCAGCCATGGACTTTTGCATGAACATGAACACAAAGGCAAACAGGAAGAAGTTGGTTCGGGCGCTCTT  
CATAGTTCCTAGGCAAAGGTTGGATTTGCTCCCATTTTATGCAAGATTGGTTGCTACATTGCATCCCTGC  
ATGTCTGATGTAGCAGAGGATCTTTGTTCCATGCTGAGGGGGGATTTTCAGATTTTCATGTTGAAAAAAGG  
ACCAGATCAACATTGAAACAAAGAATAAAACTGTCCGTTTTATTGGAGAACTAACCAAGTTTAAGATGTT  
CACCAAAAATGATACACTGCATTGTCTAAAGATGCTTCTGTGAGACTTTTCTCATCATCATATTGAAATG  
GCATGTACCCCTACTGGAGACCTGTGGACGGTTTTCTTTCCGATCTCCAGAATCACACCTGAGGACCAGTG  
TGCTTTTGGAGCAAATGATGAGAAAGAAGCAAGCAATGCACCTGGACGCGCTACGTTACAATGGTGGGA  
GAACGCGTATTACTACTGCAACCCACCACCAGCCGAGAAGACAGTGAGAAGGAAGCGGCCTCCTCTTCAG  
GAGTATGTCCGCAAACCTTCTGTACAAGGATCTCTCTAAGGTACCACGGAAGGTTTTGAGACAGATGC  
GAAAGTTGCCCTGGCAGGACCAAGAAGTTAAAGACTATGTCATTTGTTGATGATAAACATTTGGAATGT  
GAAATACAATAGTATTCACTGTGTAGCCAACTCCTAGCAGGACTAGTGCTTTACCAGGAGGATGTTGGG  
ATCCACGTTGTGGACGGAGTACTGAAGATATTCGATTGGGAATGGAGGTTAATCAACCTAAATTTAAC  
AGAGGCGCATCAGTAGTCCAAAGTTCTTAGGAGAACTTATAATTACAGAAATGGTCAATCGGCTGTTAT  
TTTCAGAACTCTTTATTCTTTACTTCAATTTGGTGTCAACCTGACGGGTCTCCAAGTTCCCTGGACCCT  
CCTGAGCATCTGTTAGAAATAGACTAGTCTGCACTATTTTGGATACCTGTGGCCAGTACTTTGACAGAG  
GTTCCAGTAAAAGAAAACCTGACTGCTTCTTGTATATTTTCAGCGTTATGTTTGGTGGAAAGAAAAGTTT  
GGAGGTTTGGACAAAAGACCATCCATTTCTATTGATATAGATTACATGATCAGTGATACACTAGAACTG  
CTAAGACCAAAGATCAAACCTCTGTAATTTCTCTGGAAGAATCCATCAGGACGGTACAAGACTTGGAACGAG  
AATTCTTAATAAAAAGTGGCCTAGTAAATGACAAAGAGTCAAAGATTCTATGACAGAAGGGGAAAATCT  
TGAAGAGGATGAAGAAGAAGAAGAGGAGGAGCTGAGACAGAGGAACAGTCTGGAATGAGAGTGAAGTA  
AACGAGCCAGAAGAAGAAGAGGTTCTGATGATGAAGACGAGGGAGAGGAGGAGGAAGAAGAGAAATACAG  
ATTACCTCACAGATCCAACAAGGAGAACGAGACTGATGAAGAGAATGCTGAGGTGATGATTAAGGGAGG  
CGGACTGAAGCATGTTCTTGTGTAGAAGATGAGGACTTCATTCAAGCTCTGGACAAAATGATGCTAGAA  
AACCTTCAGCGAAGTGGTGAATCTGTGAAAGTACACCAACTTGATGTTGCTATTCTTTGCATCTCAAAA  
GCCAGCTGAGGAAAGGGCCCCACTTGGTGGTGGGGAAGGAGAGACAGAGTCTGCAGACACGATGCCGTT  
TGTCATGCTGACAAGGAAAGGCAATAAACAGCAGTTTAAAGATTCTCAATGTGCCCATGTCATCCCAACTT  
GCTGCAAATCACTGGAACCAGCAACAAGCAGAACAAGAGGAGAGGATGAGGATGAAAAAGCTCACCTTAG  
ACATCAACGAACGACAAGAACAAGAAGATTATCAAGAAATGTTGCAGTCTCTCGCACAGCGCCAGCTCC  
AGCGAACACTAATCGTGAGCGGGCCCTCGTTACCAACATCAAAGGGAGCGCCTAATGCAGATCTAATC  
TTTAAGACTGGTGGGAGGAGACGT

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTTAA

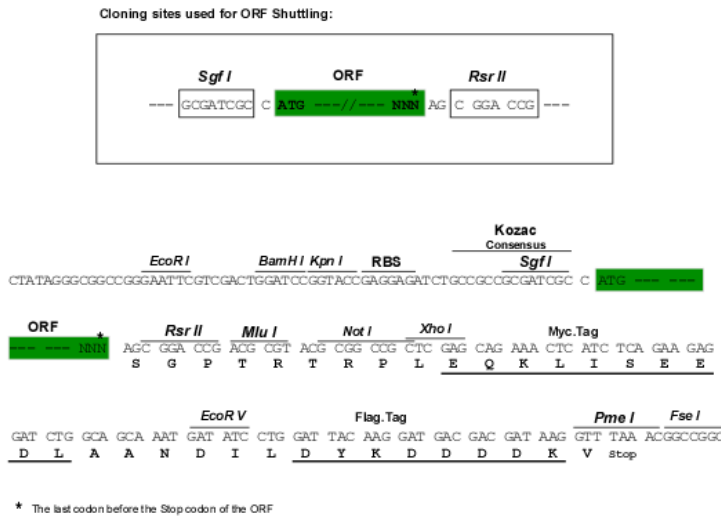
Protein Sequence: >RR203833 representing NM\_001108421  
 Red=Cloning site Green=Tags(s)

MPAERKKSASMEEKESLLNNEKDCSERRPVSSKEKSKDDLKITAkkeVSKVPEDKkkkLEEDKRKKEDK  
 ERKKKEEEKVKAEELKKKEEEEKKQEEERKKQEEAKRQEEAAAQLKEKEESLQLHQEAWERHQLR  
 KELRSKNQNAPDNRPEENFFSRLDSSLKKNtAFVKKLKTITEQQRDSLShDFNGLNLSKYIGEAVASIVE  
 AKLKISDVNCAVHLCSLFHQRYADFAPSLlQVWKKHFEARKEEKTPNITKLRTDLRFIAELTIVGIFTDK  
 EGLSLIYEQLKSIINADRESHThVSVVISFCRHCGDDIAGLVPRKVKSAAEKFNlNFPSEIISPEKQQP  
 FQNLlKEYFTSLTKHLKRDHRELQntERQNRRIlHskGELSEDRHKQYEEFAMSYQKLLANSQSLADLLD  
 ENMPDLpQDKPTPEEHGPGIDIFTPGKPGEYDLEGGIWEDEDARNFYENlIDLKAFVPAIlFKDNEKSNQ  
 KDSSKDSKEAKEPKDNKEASSPDDLELELENLEINDDTLELEGGDEADLTKKLLDEQEQEDEEASTGS  
 HLKLIVDAFLQQLPNCVNRDLIDKAAMDFCMNMNTKANRKKLVRALFIVPRQRLDlLPFYARLVATLHPC  
 MSDVAEDLCSMLRGDFRFHVRKKDQINIETKNKTVRFIGELTKFKMFTKNDTLHCLKMLLSDFSHHHIEM  
 ACTLLETcGRFLFRSPESHLRTSVLLEQMMRKKQAMHLDARYVTMVENAYYYCNPPPAEKTVRRKRPlQ  
 EYVRKLLYKDLskVTTEKVLrQMRKLpWQDQEVKDYVICMINIWNVKYNSIHCVANLLAGLVlYQEDVG  
 IHVVDGVLEDIRLGMEVNQPKFNQRRISSAKFLGELYNyRMVESAVIFRTLYSFTSFGVNPdGSPSSLDp  
 PEHLFRIRLVCTILDTCGQYFDrgSSKRKLDCFLVYFQRYVWwKKSLEVWTKDHFPFIDIDYMI SDTLEL  
 LRPKIKLcNSLEESIRQVQDLEREFliKlGLVNDKESKDSMTEGENLEEEDEEEEGGAETEEQSGNESEV  
 NEPEEEEGSDDEDEGEDEEEENTDYLTDsnKENETDEENAEVMIKGGGLKHVPCVEDEDFIQALDKMMLL  
 NLQRSGESVKVHQLDVAIPLHLKSQLRKGPPLGGGEGETEADTMPFVMLTRKGNKQqFKILNVPMSsQL  
 AANHWnQQAEQEERMmRmKkLTLDINERQEQEDYQEMlQSLAQRpAPANTNRERRPRYQHpkGAPNADLI  
 FKTGGRRR

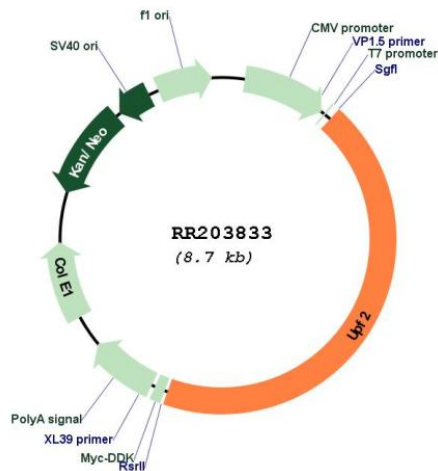
SGP TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:



## Plasmid Map:



ACCN: NM\_001108421

ORF Size: 3804 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\\_001108421.1](#), [NP\\_001101891.1](#)

RefSeq Size: 4445 bp

RefSeq ORF: 3807 bp

Locus ID: 361271

Cytogenetics: 17q12.3

MW: 147.3 kDa