

## Product datasheet for **MR219060**

### **Eftud2 (NM\_001109995) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Eftud2 (NM_001109995) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Eftud2
Synonyms:	116kDa; Snrp116; U5-116kD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR219060 representing NM\_001109995  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGATACTGACTTGATGATGAGTTTGGGAATTATTTGGACCAGAGCTTGATTCTGATGAAGATGATG  
 ATGAACTGGGAAGAGAGACAAAAGATCTTGATGAGATGGATGAGGACGAGGACGAGGATGACGTGGGAGA  
 GCACGAGGATGACCACCCCGCATGGAGGTGGTCTGCATGAGGACAAGAAGTACTACCCACGCGCCGAG  
 GAGGTGTACGGTCCCAGGTGGAGACCATAGTCCAGGAGGAAGACACCCAGCCCTCACAGAACCATTAA  
 TAAAGCCAGTGAAAACCAAGAAATTCACCTCTGATGGAGCAGACATTACCCGTACCGGTGTATGAGATGGA  
 TTTCTTAGCAGATCTGATGGACAACTCTGAGCTCATCAGAAACGTAACCTTGTGTGGCCATCTCCACCAC  
 GGCAAGACCTGTTTCGTAGATTGTTAATAGAACAGACGCATCCGAAATCAGAAAGCGCTATGACCAAG  
 ACCTATGTATACTGACATCCTTTCACAGAACAAGAGAGAGGCGTCGGCATCAAGAGCACTCCGGTGAC  
 GGTGGTGTGCCGACACCAAGGGAAGTCTTACCTTCAACATCATGGACACGCCAGGTATGTGAAT  
 TTTTCTGATGAGGTCACAGCTGGCTTGGCATCTCAGATGGAGTGGTCTTTTCATTGATGCTGCTGAGG  
 GGGTATGCTGAACACAGAGCGGCTGATCAAGCACGAGTGCAGGAAAGGTTAGCAGTACCCGTGTGTAT  
 CAACAAAATCGACCGGCTGATCTTGAGAGCTGAAGCTGCCTCCAACAGATGCTTATTACAAGCTGCGACAC  
 ATTGTGGATGAGGTCAATGGATTAATAAGCATGTATTCCACCGACGAGAACCCTGATCCTTTCTCCACTCC  
 TGGGCAACGTCTGCTTCTCCAGTCCCAGTACAGCATCTGCTTACACTGGGTTCTTTGCCAAGATCTA  
 CGCTGACACCTTTGGTGACATTAATTACCAGGAATTTGCTAAAAGACTCTGGGGTGACATCTACTTCAAT  
 CCTAAGACGAGAAAGTTCAACAAAAGGCTCCCAGCAGCAGCTCCAGAGGAGCTTCGTGGAGTTCATCT  
 TGGAGCCACTCTATAAGATCCTGGCCAGGTGGTGGGTGATGTGGACACCAGCCTGCCAAGGACCTGGA  
 CGAATTGGCATCCACCTACCAAGGAAGAGCTAAAGCTGAACATCCGCCCTGCTCAGGCTGGTCTGC  
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 CATGCCTTCGGCCGGTGTGAGCGGCACCATCCACGCTGGGCAGCCTGTGAAGGTGCTGGGGGAGAACT  
 ACACCTTGAAGACGAGGAAGATCCCAGATCTGCACCGTGGGCCGCTCTGGATCTCCGTCGCCAGGTA  
 CCACATGAGGTGAATCGTGTCTCTGCTGGCAACTGGGTCCTGATTGAAGGTGTTGACCAGCCGATCGTG  
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 CCACATCTGTTATCAAGATTGCCGTGGAGCCGGTTAACCCCTCAGAGCTGCCAAAATGCTTGATGGCCT  
 GCGCAAGGTCAACAAGAGCTATCCATCTCTACCACCAAGGTGGAAGAGTCTGGCGAGCATGTGATCCTG  
 GCACTGGGGAGCTCTACCTGGACTGTGTGATGCACGACCTGCGGAAGATGTACTCAGAGATCGACATCA  
 AGGTGGCTGACCCAGTTGTGACATTTCTGTGAGACAGTGGTAGAAAACGTCCTCCCTCAAAATGCTTTGCTGA  
 GACACCAATAAGAAGAACAAGATCACCATGATTGCCGAGCCCTTGAGAAGGGCCTTGCTGAGGACATA  
 GAGAATGAAGTGGTCCAGATCACCTGGAACAGAAAGAAGCTGGGAGAGTTTTTCCAAACAAGTACGACT  
 GGGATCTGCTGGTGGCCGTTCCATCTGGGCTTCGGACCTGATGCTACAGGCCCAACATCCTAGTAGA  
 TGATACACTGCCCTCAGAGGTAGACAAGGCCCTCTCGGCTCAGTGAAGGACAGCATTGTTCAAGGTTTC  
 CAGTGGGGGACCAAGGAAGGACCCCTCTGCGATGAATTGATTTCGGAATGTCAAGTTAAGATACTGGATG  
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 GATTGTGTGTCTGCTGTTACACAGTCTGGCCAGACGAGGGTTCATGTGACTCAGGATGCACCCATAC  
 CAGGCTCCCTCTCTATACCATCAAAGCGTTCATCCCGGCATCGACTATTTCGGCTTTGAGACTGATCT  
 CCGCACTCACACCCAGGACAGGCTTTCCCTGTCTGTCTTCCACCATTGGCAGATTGTCCAGGCGAT  
 CCTCTGGACAAGAGCATTGTCTTCCCGGCTGGAGCCACAGCCAGCTCCTCACCTGGCTCGGGAGTTCA  
 TGATCAAAACCCGTCGTAGGAAGGGCTGAGTGAAGATGTGAGCATCAGCAAGTTCTTCAGCATCTAT  
 GTTCTGGAGCTCGCAAACAGGATGTTGTCTCAATTATCCCATG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR219060 representing NM\_001109995  
 Red=Cloning site Green=Tags(s)

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MDTDLYDFEGNYIGPELDSDEDDDELGRETkdLdEMDEDEDEDDVGEHDDHPGMEVVLHEDKkYYPtAE
EYVGPEVETIVQeEDTQPLTEPIIKPVkTKKfTLMEQTLpVTVYEMDFLADLMDNSELIRNVtLCGHLHH
GKTCFVdCLIEQThPEIRKRYDQDLcyTDILfTEQERGvGIKSTpVTVVLPDTKKGsYLFNIMDTPGHVN
FSDEVTAGLRISdGVVLFIDAAEGVMLNTERLIKHAVqERLAVtVCINKIDRLILELKLpPTDAYYKLRH
IVDEVNGLISMySTDENLILSPllGNVCFSSsQYSICfTLGSfAKIYADtFGDINyQEFaKRLWGDYfFN
PKTRkFTKkAPSSSSQRsFVEfIlePLyKILAqVVGDVdTSLPRTlDELGIHLtKEELKLNIRpLLRLVC
KkFFGEfTGfVdMCVQHIPSPkVGAKPKIEHTyTGGVdSDLGEAMSDCDpDGPLMCHtTKMYSTDDGvQF
HAFGRVLSGTIHAGQpVKVLGENyTLEDEEDSQCtVGRlWISVARYHIEVNRVPAGNWVlIEGVDQPIV
KTATITEPRGNEEAQIFRPLkFNtTSVIKIAVEpVNPSELpKMLDGLRkVNkSYPSLTTkVEESGEHVIL
GTGELyLDCVMHDLRkMYSEIDIKVADpVVTfCETVvETSsLKCFaETPNkNKItMIAEPLEKGLAEDI
ENEVVQITWNRkKLGeffQTKYDwDlLAARSIWAFGPdATGPNILVDDTLpSEVDKALLGSVKDSIVQGF
QWGTREGPLCDELIRNVkFKILDavVAQEPLHRGGQIIPtARRVvYSAFLMATpRLMEpYfVEVQAPa
DCVSAVYtVLARRRHVtQDAPIPGsPLYtIKAFIPaIDSFgfETDLRthTQgQAFsLsvFHHWQIvPGD
PLDKSIVIRPLEPQPAPHLAREfMIKTRRRKGLSEdVSISkFFDDpMLLELAKQDVVLNYPM
  
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9094\\_h10.zip](https://cdn.origene.com/chromatograms/mm9094_h10.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



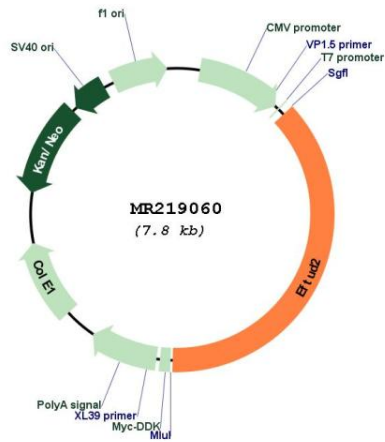
\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001109995

**ORF Size:** 2916 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001109995.1</a> , <a href="#">NP_001103465.1</a>
<b>RefSeq Size:</b>	3400 bp
<b>RefSeq ORF:</b>	2919 bp
<b>Locus ID:</b>	20624
<b>UniProt ID:</b>	<a href="#">O08810</a>
<b>Cytogenetics:</b>	11 E1
<b>MW:</b>	109.5 kDa
<b>Gene Summary:</b>	Required for pre-mRNA splicing as component of the spliceosome, including pre-catalytic, catalytic and post-catalytic spliceosomal complexes. Component of the U5 snRNP and the U4/U6-U5 tri-snRNP complex, a building block of the spliceosome.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR219060