

Product datasheet for **MG219060**

Eftud2 (NM_001109995) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eftud2 (NM_001109995) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Eftud2
Synonyms:	116kDa; Snrp116; U5-116kD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG219060 representing NM_001109995
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGATACTGACTTGATGATGAGTTTGGGAATTATATTGGACCAGAGCTTGATTCTGATGAAGATGATG
 ATGAACTGGGAAGAGAGACAAAAGATCTTGATGAGGATGAGGACGAGGACGAGGATGACGTGGGAGAGCA
 CGAGGATGACCACCCCGCATGGAGGTGGTGCATGAGGACAAGAAGTACTACCCACGGCCGAGGAG
 GTGTACGGTCCCAGGTGGAGACCATAGTCCAGGAGGAAGACACCAGCCCTCACAGAACCATTATAA
 AGCCAGTGAACCAAGAAATTCCTCTGATGGAGCAGACATTACCCGTCACGGTGTATGAGATGGATTT
 CTTAGCAGATCTGATGGACAACCTGAGCTCATCAGAAACGTAACCTTGTGTGGCCATCTCCACCACGGC
 AAGACCTGTTTCGTAGATTGTTTAAAGAACAGACGCATCCGAAATCAGAAAGCGCTATGACCAAGACC
 TATGCTATACTGACATCCTCTTACAGAACAGAGAGAGGCGTCCGCATCAAGAGCACTCCGGTGACGGT
 GGTGCTGCCGGACACAAAGGGAAGTCTTACCTTTCAACATCATGGACACGCCAGGTGATGTAATTTT
 TCTGATGAGGTACAGCTGGCTTGCATCTCAGATGGAGTGGTCTTTTCATTGATGCTGCTGAGGGGG
 TGATGCTGAACACAGAGCGGCTGATCAAGCACGAGTGCAGGAAAGGTTAGCAGTACCCTGTGTATCAA
 CAAAATCGACCGCTGATCTTGGAGCTGAAGTGCCTCCAACAGATGCTTATTACAAGCTGCGACACATT
 GTGGATGAGGTCAATGGATTAATAAGCATGTATCCACCACGAGAACCTGATCCTTTCTCCACTCCTGG
 GCAACGCTGCTTCTCCAGTCCCAGTACAGCATCTGCTTCACTGGGTTCTTTGCCAAGATCTACGC
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 ACTTGGCATCCACTCACCAAGGAAGAGCTAAAGCTGAACATCCGCCCCCTGCTCAGGCTGGTCTGCAAA
 AAGTTCTTTGGCAGTTCACAGGCTTTGTGGACATGTGTGTGCAGCACATTCCATCTCCAAGGTGGGCG
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 TGACCCAGATGGTCCCCTGATGTGCCACACGACGAAGTGTACAGCACAGATGATGGAGTCCAGTTTCAT
 GCCTTCGGCCGGGTGCTGAGCGGCACCATCCACGCTGGGCAGCCTGTGAAGGTGCTGGGGGAGAATA
 CCTTGGAAAGACGAGGAAGATTCCAGATCTGCACCGTGGGCCCTCTGGATCTCCGTCGCCAGGTACCA
 CATTGAGGTGAATCGTGTCTGCTGGCAACTGGGTCCTGATTGAAGGTGTTGACCAGCCGATCGTGAAG
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 CAAGGTCAACAAGAGCTATCCATCTCTACCACCAAGGTGGAAGAGTCTGGCGAGCATGTGATCCTGGGC
 ACTGGGGAGCTCTACCTGGACTGTGTGATGCACGACCTGCGGAAGATGTAAGTCTCAGAGATCGACATCAAGG
 TGGCTGACCCAGTTGTGACATTCTGTGAGACAGTGGTAGAAACGTCCTCCCTCAAATGCTTTGCTGAGAC
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 CACTCACACCCAGGGACAGGCCCTTTCCCTGTCTGTCTTCCACCATTGGCAGATTGTCCAGGCGATCCT
 CTGGACAAGAGCATTGTCATTGCGCCGCTGGAGCCACAGCCAGCTCCTCACCTGGCTCGGGAGTTTATGA
 TCAAAACCGTCTGATGGAAGGGCTGAGTGAAGATGTGAGCATCAGCAAGTTCTTCGACGATCCTATGTT
 GCTGGAGCTCGCCAACAGGATGTTGTGCTCAATTATCCCATG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG219060 representing NM_001109995
 Red=Cloning site Green=Tags(s)

MDTDLYDEFGNYIGPELDSDEDDDELGRETkdLDEDEDEDDVGEHEDDHPGMEVVLHEDKkYYPTAEE
 VYGPEVETIVQEEDTQPLTEPIIKPVKTKKFTLMEQTLPTVYEMDFLADLMDNSELIRNVTLCGHLHHG
 KTCFVDCLIEQTHPEIRKRYDQDLCYTDILFTEQERGVGIKSTPVTVVLPTDKGKSYLFNIMDTPGHVNF
 SDEVTAGLRISDGVVLFIDAAEGVMLNTERLIKHAVQERLAVTVCINKIDRLILELKLPPDAYYKLRHI
 VDEVNGLISMYSTDENLILSPLLGNVCFSSSQYSICFTLGSFAKIYADTFGDINYQEFAKRLWGDIFYNP
 KTRKFTKKAPSSSSQSRFVEFILEPLYKILAQVVGVDVDSLPRTLDELGIHLTKEELKLNIRPLLRVCK
 KFFGEFTGFVDMCVQHIPSQKVGAKPKIEHTYGGVSDSLGEAMSDCDPDGMLMCHTTKMYSTDDGVQFH
 AFRVLSGTIHAGQPVKVLGENYLEDEEDSQICTVGRWLISVARYHIEVNRVPAGNWVLEIGVDQPIVK
 TATITEPRGNEEAQIFRPLKFNTTSVIKIAVEPVNPSELPKMLDGLRKVNKSYPSLTTKVEESGEHVILG
 TGELYLDCVMHDLRMYSEIDIKVADPVVTFCEVVTSSLKCFATPNKKNKITMIAEPLEKGLAEDIE
 NEVVQITWNRKKGFEFFQTKYDWDLLAARSIWAFGPDATGPNILVDDTLPSEVDKALLGSVKDSIVQGFQ
 WGTREGPLCDELIRNVFKILDVVAQEPLHRGGQIIPARRVYSAFLMATPRLMEPYFVEVQAPAD
 CVSAVYTVLARRRHVTDAPIPGSPLYTIKAFIPAIDSFGEFETDLRTHTQGGQFSLSVFHHWQIVPGDP
 LDKSIVIRPLEPQPAPHLAREFMIKTRRRKGLSEDVSIKFFDDPMLLELAKQDVVLYNYPM

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

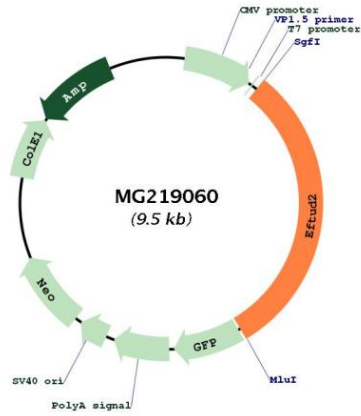


ACCN: NM_001109995

ORF Size: 2916 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:	<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:	NM_001109995.1 , NP_001103465.1
RefSeq Size:	3400 bp
RefSeq ORF:	2919 bp
Locus ID:	20624
UniProt ID:	O08810
Cytogenetics:	11 E1
Gene Summary:	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 MG219060