

Product datasheet for **RC235093**

EFTUD2 (NM_001258353) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EFTUD2 (NM_001258353) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	EFTUD2
Synonyms:	MFDGA; MFDM; SNRNP116; Snrp116; Snu114; U5-116KD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC235093 representing NM_001258353
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGATACCGACTTATATGATGAGTTTGGGAATTATTTGGACCAGAGCTTGATTCTGATGAAGATGATG
 ATGAATTGGGTAGAGAGACCAAAGATCTTGATGAGATGGATGATGATGACGACGACGATGACGTAGGAGA
 TCATGACGATGACCACCTGGGATGGAGGTGGTCTGCATGAGGACAAGAAGTACTACCCAACAGCCGAG
 GAGGTGTATGGTCTGAGGTGGAGACCATAGTTCAAGAGGAAGACACTCAGCCTCTCACAGAACCATT
 TTAAGCCAGTGAAAACCAAGAAATTCACCTCTGATGGAGCAGACATTACCTGTTACGGTGTATGAGATGGA
 TTTCTTGGCGGATCTGATGGATAACTCAGAGCTCATCAGAAATGTGACCCCTTTGTGGACATCTCCACCAT
 GGCAAGACATGTTTTGTGGATTGTTAATTGAACAGACTCACCCGAAATCAGAAAGCGCTATGACCAAG
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 CAACAAGATTGACCGGCTGATCCTGGAGCTGAAGCTGCCTCCAAGTATGCTTATTACAAGCTGCGCCAC
 ATTGTGGATGAGGTCAATGGATTAATAAGCATGTATTCCACTGATGAGAACCTGATCCTTTCCCACTCC
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 CTAAGACGCGAAAGTTCAACAAAAAGGCCCACTAGCAGCTCCAGAGAAGTTTCGTGGAGTTTATCT
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 GCGCAAGGTCAACAAGAGCTATCCATCCCTCACCAACCAAGGTGGAGGAGTCTGGCGAGCATGTGATCCTG
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 CGGTGGTTGCCAGGAGCCCTGCACCGGGCGGGGGCCAGATCATCCCCACAGCCAGGAGATCGTCTA
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 TGATCAAACCCCGCTAGGAAGGGCTCAGTGAAGATGTGAGCATCAGCAAATCTTCGATGATCCTAT
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC235093 representing NM_001258353
 Red=Cloning site Green=Tags(s)

MDTDLYDEFGNYIGPELDSDEDDDELGRETkdLDEMDDDDDDDDVGDHDDHPGMEVVLHEDKkYYPtAE
 EVYgPEVETIVqEEDtQPLTEPIIKPVkTKKfTLMEqTLPVtVYEMDFLADLMDNSELIRNvTLCGHLHh
 GKtCFVdCLIEqTHPEIRkRYDQDLcYTDILfTEqERGvGIKStPVtVVLpDTkGkSYLFNIMDTPGHVn
 FSDEVTAGLRISDgVvLFIDAAEGvMLNTERLlKHAVqERLAVtVCINKIDRLlELKLPPTDAYYKLRH
 IVDEvNGLISMyStDENLlLSPllGNvCFSSSQSYsICfTLGSfAKIYADtFGDINyQEFaKRLWGDiyFN
 PKTRkFtKKAPtSSSQRSfVEfILePLyKILAQVVGdVdTSLPRTlDELGIHLtKEELKLNIRpLLRLVC
 KkFFGEfTGfVdMCVQHIPSPkVGAKPKIEHTyTGGVdSDLGEAMSDCDpDgPLMCHtTKMyStDDGvQf
 HAFGRVLSGTIHAGQPVkVlGENyTLEDEEDsQICTVGRlWISVARYHIEVNRVPAGNWVlIEGVDQPIV
 KTATITEPRGNEEAQIFRPLKfNTTSVIKIAVEPVNPSELPKMLDGLRkVNkSYPSLTTkVEESGEHVIL
 GTGELyLDCVMHDLRkMySEIDIKVADPVVtFCETVvETSslKcFAETPNkNKItMIAEPLEKGLAEDI
 ENEvVQITWNRkKLGeffQTKYDwDlLAARSIWAFGPdATGPNILVDDTLpSEVDKALLGSVKDSIVQGF
 QWGTREGPLCDELIRNVkFKILDAVVAQEPLHRGGGQIIPtARRVvYSAFLMATPRLMEpYfVEVQAPa
 DCVSAVYtVLAARRRHVtQDAPIPGSPLyTIKAFIPAIIDSFGFETDLRtHTQGGAFSLSVFHHWQIVPGD
 PLDKSIVIRPLEPQPAPHLAREfMIKTRRRKGLSEdVSIKfFDDPMLLELAKQDVVlNYPM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

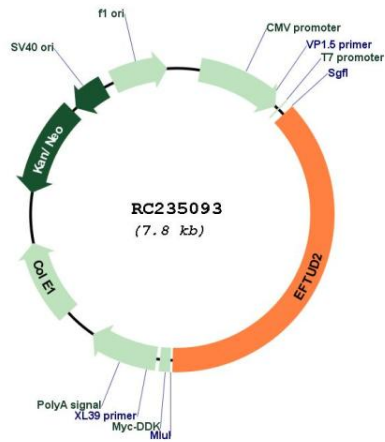


ACCN: NM_001258353

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_001258353.1 , NP_001245282.1
RefSeq Size:	4304 bp
RefSeq ORF:	2919 bp
Locus ID:	9343
UniProt ID:	Q15029
Cytogenetics:	17q21.31
Protein Pathways:	Spliceosome
MW:	109.9 kDa
Gene Summary:	This gene encodes a GTPase which is a component of the spliceosome complex which processes precursor mRNAs to produce mature mRNAs. Mutations in this gene are associated with mandibulofacial dysostosis with microcephaly. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2012]

Product images:



Circular map for RC235093