

Product datasheet for **SC325373**

EFTUD2 (NM_001142605) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EFTUD2 (NM_001142605) Human Untagged Clone
Tag:	Tag Free
Symbol:	EFTUD2
Synonyms:	MFDGA; MFDM; SNRNP116; Snrp116; Snu114; U5-116KD
Vector:	<u>pCMV6 series</u>



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_001142605, the custom clone sequence may differ by one or more nucleotides

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ATGGATGATGATGACGACGACGATGACGTAGGAGATCATGACGATGACCACCTGGGATG
GAGGTGGTGTGCATGAGGACAAGAAGTACTACCCAACAGCCGAGGAGGTGATGGTCTT
GAGGTGGAGACCATAGTTCAAGAGGAAGACTCAGCCTCTCACAGAACCATTATTAAG
CCAGTGA AAAACAAGAAATTCACCTCTGATGGAGCAGACATTACCTGTTACGGTGTATGAG
ATGGATTTCTTGGCCGATCTGATGGATAACTCAGAGCTCATCAGAAATGTGACCCTTGT
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GAAATCAGAAAAGCGCTATGACCAAGATCTGTGCTATACTGACATCCTCTTACAGAGCAA
GAGAGAGGTGTAGGCATCAAAGCACTCCTGTGACAGTGGTCTTGCCAGACACCAAAGGA
AAATCTTATCTTCAATATCATGGACTCCAGGACATGTGAATTTCTCTGATGAGGTC
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TGCATCAACAAGATTGACCGGCTGATCCTGGAGCTGAAGCTGCCTCCAAGTATGCTTAT
TACAAGCTGCGCCACATTGTGGATGAGGTCAATGGATTAATAAGCATGTATTCCACTGAT
GAGAACCTGATCCTTTCCCACTCCTGGGTAACGTCTGCTTCTCCAGCTCCCAAGTACAGC
ATCTGCTTACAGCTGGGCTCCTTTGCAAGATCTATGCCGACACCTTTGGTGACATTAAT
TACCAAGAATTTGCTAAAAGACTCTGGGGTGACATCTACTTCAACCCTAAGACGCGAAAG
TTCACCAAAAAGGCCCAACTAGCAGCTCCCAGAGAAGTTTCGTGGAGTTTATCTTGGAG
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CTCAGGCTGGTCTGCAAAAAGTTCTTTGGCGAGTTCACAGGCTTTGTGGACATGTGTGTG
CAGCATATCCCTTCTCAAAGGTGGGCGCAAGCCCAAGATTGAGCACACCTACACCGGT
GGTGTGGACTCCGACCTCGGCGAGGCTATGAGTGACTGTGACCCTGATGGCCCCCTGATG
TGCCACACTACTAAGATGTACAGCACAGATGATGGAGTCCAGTTTACGCCTTTGGCCGG
GTGCTGAGTGGCACCATTATGCTGGGACGCTGTGAAGTACTGGGGGAGAACTACACC
CTGGAGGATGAGGAAGACTCCCAGATAGCACCGTGGGCCGCTTTGGATCTCTGTGGCC
AGGTACCACATCGAGGTGAACCGTGTCTCTGCTGGCACTGGGTTCTGATTGAAGGTGTT
GATCAACCAATTGTGAAGACAGCAACCATAACCGAACCCCGAGGCAATGAGGAGGCTCAG
ATTTTCCGACCCTGAAGTTCAATACCACATCTGTTATCAAGATTGCTGTGGAGCCAGTC
AACCCCTCAGAGCTGCCAAGATGCTTGTGATGGCCTGCGCAAGGTCAACAAGAGCTATCCA
TCCTCACCACCAAGGTGGAGGAGTCTGGCGAGCATGTGATCCTGGGCACTGGGGAGCTC
TACCTGGACTGTGTGATGCATGATTTGCGGAAGATGTAAGTACTCAGAGATAGACATCAAGGTG
GCTGACCCAGTTGTCACGTTTTGTGAGACGGTGGTGGAAACATCCTCCCTCAAGTGCTTT
GCTGAAACGCCTAATAAGAAGAACAAGATCACCATGATTGCTGAGCCTCTTGAGAAGGGC
CTGGCAGAGGACATAGAGAATGAGGTGGTCCAGATTACGTGGAACAGGAAGAAGCTGGGA
GAGTCTTCCAGACCAAGTACGATTGGGATCTGCTGGCTGCCCTTCCATCTGGGCTTTT
GGCCCTGATGCGACTGGCCCCAACATTTGGTGGATGATACTCTGCCCTCTGAGGTGGAC
AAGGCTCTTCTTGGTTTCAAGTGAAGGACAGCATCGTTCAAGGTTTCCAGTGGGAACCAAG
GAGGGCCCCCTCTGTGATGAATTGATTCCGAATGTCAAGTTAAGATCCTGGATGCGGTG
GTTGCCAGGAGCCCCTGCACCGGGGCGGGGCCAGATCATCCCCACAGCCAGGAGAGTC
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GTCCAGGCCCCTGCAGATTGCGTCTCTGCAGTTTATACCGTCTGGCCAGGCGCAGGGGG
CACGTGACTCAGGATGCACCCATCCCAGGCTCCCCTCTGTACACCATCAAAGCTTTTATC
CCGGCCATCGACTCTTTGGCTTTGAGACTGATCTCCGGACTCACACCCAGGGACAAGCC
TTTTCTGTCTGTCTTCCACCACTGGCAGATTGTGCTGGTGTATCCCCTGGACAAGAGC
ATTGTCATCCGCCCTTGGAGCCACAGCCAGCTCCTCACCTGGCCCGGAATTCATGATC
AAAACCCGCCGTAGGAAGGGCCTCAGTGAAGATGTGAGCATCAGCAAATCTTCGATGAT
CCTATGTTGCTGGAACCTGCCAAACAGGATGTTGTGCTCAATTACCCCATG

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Restriction Sites: Please inquire

ACCN:	NM_001142605
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001142605.1</u> , <u>NP_001136077.1</u>
RefSeq Size:	4058 bp
RefSeq ORF:	2814 bp
Locus ID:	9343
UniProt ID:	<u>Q15029</u>
Cytogenetics:	17q21.31
Protein Pathways:	Spliceosome
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and in the 5' coding region, compared to variant 1. These differences causes translation initiation at a downstream AUG and results an isoform (b) with a shorter N-terminus compared to isoform a.</p>