

## Product datasheet for **SC325144**

### EDC3 (NM\_001142444) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	EDC3 (NM_001142444) Human Untagged Clone
Tag:	Tag Free
Symbol:	EDC3
Synonyms:	hYjeF_N2-15q23; LSM16; MRT50; YJDC; YJEFN2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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<b>Fully Sequenced ORF:</b>	>NCBI ORF sequence for NM_001142444, the custom clone sequence may differ by one or more nucleotides ATGGCTACAGATTGGCTGGGAAGTATTGTGTCCATCAATTGTGGAGATAGCTTGGGTGTC TATCAGGGAAGAGTGTCTAGCTGTGGATCAGGTCAGCCAGACCATTCTCTACCCGGCCT TTCCATAATGGAGTGAAGTGTCTTGTCCAGAAGTCACCTTCAGGGCAGGTGACATTACG GAGTTAAAAATTCTGGAGATACCAGGACCTGGAGACAACCAACATTTTGGAGACCTTCAT CAAACAGAAATTAGGCCCTCTGGTGTGGCTGCCAAGTGGGCATCAATCAGAATGGCACA GGCAAGTTTGTCAAGAAGCCAGCCTCTTCCAGCAGTGCCCTCAGAATATCCCTAAGAGG ACAGATGTGAAGAGCCAGGATGTTGCCGTTTCCCGCAGCAGCAACAGTCTCAAAGAGC TATGTGCGACAGGCACATGGAATCCTTGAGTCAGTCCAAAAGTTTCCGTCGTCGGCACAAC TCCTGGTCATCTAGTAGCAGGCACCCAAATCAGGCAACTCCCAAGAAAAGTGGTTTAAAG AATGGCCAGATGAAGAATAAAGATGACGAGTGTTCGGGGATGATATTGAGGAGATCCCA GACACAGATTTTGTATTTGAAGGGAACCTGGCTCTTTTTGACAAGGCAGCTGTGTTGAG GAGATTGATACCTATGAAAGGAGAAGTGGTACCCGTTCCCGGGGCATCCCAAATGAAAGG CCCCTCGGTACCGCCATGATGAGAACATCTTGGAGTCCGAGCCATTGTCTATCGACGG ATCATAGTGCCCCACAAGTGAGCAAGGAGTTCTGCACGACTCTGGCCTGGTTGCCCA AGTATTTCTATGAGCTGCATAAAAAGCTGTTGTCCGTGGCTGAGAAGCATGGGCTGACC CTTGAGCGGAGACTGGAGATGACAGGTGTGTGTGCCAGTCAGATGGCACTGACCCCTCTC GGAGGACCTAACAGGTTGAATCCCAAAAATGTTACCAGAGGCCCTACAGTGGCTCTACTG TGTGGACCTCATGTGAAGGGGGCTCAGGGTATCAGCTGTGGAAGGCACCTAGCCAACCAT GATGTCCAGGTCATCCTTTTCTGCCAATTTTGTCAAGATGTTGGAATCTATACCAAT GAGCTGTGCTCTTCAGCAAGACCCAAGGCCAACAAGTGTCTAGCCTCAAAGATCGCCC ACTAGCCCTGTGGACCTGGTCATCAACTGCCTGGATTGCCCTGAGAAGCTTCTCCTGCGC GATCAACCCTGGTACAAGGCAGCTGTGGCTGGGCCAACCAAGAACCGGGCACCAGTACTC AGCATAGACCCTCTGTGCATGAAGTGAACAGGGCATTGATGCCAAATGGTCACTGGCA CTGGGCCCTGCCTCTGCCACTGGGGGAGCACGCAGGCCGTATCTATTTGTGCGACATTGGC ATTCCCCAGCAGGTCTTCCAGGAGGTGGGCATCAACTACCACTCGCCCTTTGGCTGCAAG TTTGTATCCCACTGCACTCTGCT
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_001142444
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<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).

**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\\_001142444.1](#), [NP\\_001135916.1](#)

**RefSeq Size:** 3871 bp

**RefSeq ORF:** 1527 bp

**Locus ID:** 80153

**UniProt ID:** [Q96F86](#)

**Cytogenetics:** 15q24.1

**Protein Pathways:** RNA degradation

**Gene Summary:** This gene encodes a protein that is important in mRNA degradation. The encoded protein is a component of a decapping complex that promotes efficient removal of the monomethylguanosine (m7G) cap from mRNAs, as part of the 5' to 3' mRNA decay pathway. Mutations in this gene have been identified in human patients with an autosomal recessive form of intellectual disability. [provided by RefSeq, May 2017]  
Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1-4 encode the same isoform (1).