

## Product datasheet for **MC229581**

### Edc4 (NM\_001301100) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Edc4 (NM\_001301100) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Edc4  
**Synonyms:** BC022641  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC229581 representing NM\_001301100  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCTCCTGCGGAGCATCGACATTGAGGACGCCACGCAGCATCTGCGGGACATACTCAAACCTGGACC  
GGCCCGCGGAGTTCCAATGCCAAAGCCAAAGGCCATCCAGTGCCTACAATGGAGACCTCAATGGCT  
CCTGGTCCCCGACCCGCTCAGTTCAGGTGATGGTAACTCAACGAACAACTGGTATACGGACCATGCCA  
CCATTAACTGCAGGAAAAGCAGGTCAATTCCTCTCTGGAGATGACAGCTCCACCTGCATTGGGATTT  
TAGCCAAGGAAGTGGAAATTGTGGCCAGCAGTGATTCTAGCATTTCAGCAAGGCTCGGGGGAGCAACA  
GGTAAAAATCCAGCCTGTCGCAAGTATGACTGGGAGCAGAAATACTACTATGGCAACCTGATTGCAGTG  
TCTAACTCCTTCTTGGCATACGCCATTAGGGCTGCCAACAAATGGCTCAGCAATGGTCCGTGTGATCAGTG  
TCAGCACTTCGGAGCGGACCCCTGCTCAAAGTTTCACAGGCAGTGTGGCTGATCTTGCTTTTGCACACCT  
CAACTCTCCACAGCTCGCCTGCCTGGATGAGGCTGGCAATCTTTTGTGTGGCGCTTGGCTTTGTAAAG  
GGTAAAAATCAAGAAGAGATTTAGTCCATATCCGGCAGCCAGAGGGTACAGCGCTGAACCACTCCGAA  
GGATCATCTGGTCCCTTTCATCCCCGAGGAGAGTGGAGACTGTTGTGAGGAGAGCAGCCGACATCGGC  
CCTGCTGCATGAGGATCGGGCTGAGGTGTGGACTTGGATATGCTTCGCTCCAGCCACAACACCTGGCCT  
GTGGATGTCAGCCAAATCAAGCAAGGCTTTATTGTGGTGAAGGCCATAGCACGTGCCTAAGTGAAGGAG  
CCCTCTCCCTGATGGGACTGTCTGGCTACCGCAAGCCATGATGGCTTTGTCAAGTTCTGGCAGATCTA  
TATTGAAGGTCAGGATGAGCCAAGGTGTCTGCATGAATGGAAGCCTCATGATGGGAGGCCTCTTTCTTGC  
CTCCTGTTCTGTGATAACCATAAGAAACAGGATCCTGAGGTCCCCTTCTGGAGGTTCTCATAACCGGCG  
CCGACCAGAATCGAGAGCTGAAGATGTGGTGCACAGTGTCTGGACCTGCCTGCAAACCTTCGCTTCTC  
CCCAGATATCTCAGCTCAGTGAGTGTGCCTCCCAGCCTCAAAGTTTGTGGACCTCTCAGCAGAGTAT  
TTGATTCTTAGTGATGTGCAACGAAAGGTCCTCTATGTGATGGAGCTGCTGCAGAACAGGACGAGGGCC  
GGCGGTGCTTTAGTTCTATCTCTGAGTTCTGCTCACCCACCCTGTGCTGAGCTTTGGCATCCAGGTTGT  
CAGTCGCTGCCGCTACGGCACACTGAGGTCTGCCTGCTGAGGAGGAGAATGACAGTCTGGGGACCGAG  
AGTTCCATGGAGCTGGAGCCTTGAATCCGCAGCTGGTGTGCTTATCAAGCTCTTTTGTGTGCACACTA



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AGGCACTACAAGATGTGCAGATCCGCTTCCAGCCACAGCTGAACCCTGATGTGGTGGCCCCACTCTCTAC  
 CCACACTGCCACGAGGACTTCACATTTGGAGAGTCTCGACCTGAACTAGGCTCCGAGGGCTAGCTTCA  
 GCTGCTCATGGTTCCCAGCCTGACCTGCGGCGCATTGTGGAAGTGCCTGCTCCTGCAGACTTCTCAGTC  
 TGAGCAGTGAGACCAAGCCAAAGTTGATGACACCTGATGCTTTCATGACACCTACTGCCTCCCTGCAGCA  
 GATCTCTGCATCCCCTAGTAGTAGCAGCAGCAGTAGCAGCAGCAGCAGTAGCAGCAGCAGCAGCAGCAGC  
 AGCTCTCTAACAGCTGTGTCTGTGTGAGCAGTCCCTCAGCCATGGACCCCTCCTTGCCAGACCACCTG  
 AGGAGTGACCTTGAGCCCCAAGCTGCAGCTAGATGGCAGCCTGACGCTAAACAGCAGCAGCAGCAGCAGCT  
 GCAGGCAAGCCCTCGAAGCCTCCTTCCGGGCTGCTCCCAGGCCAGCTGACAAGTTGATTTCCAAGGGA  
 CCTGGTCAGGTATCCACTGCTGCCTCTGCACTGTCTTGGATTTGCAGGAAGTGGAGCCATTAGGGCTAC  
 CCCAGGCCTCCCCAAGTGAACCCGTTCTCCTGATGTGATCTCCTCAGCATCCACTGCCCTGTCCCAGGA  
 CATTCTGAAATCGCATCTGAGGCCCTGTCCCGTGGCTTGGCTCCTCTGTTCTGAGGGCTCATTGAG  
 CCAGACAGCATGGCCTCAGCTGCCTCAGCACTACACCTACTCTCCTCGGCCAGGCAAGGCCCTGAGC  
 TTGGCTCTCAGCTGGGTCTGGATGGAGGCCCTGGAGATGGGGATAGGCATAGTACCCCTTCCCTGCTGGA  
 AGCAGCCCTGACCAGGAAGTTGCAACCCCTGACAGTCAAGTCTGGCCTACGGCACCTGACATTACTCGT  
 GAGACCTGTAGCACACTGACAGAAAGCCCAGGAATGGCCTCCAGGAAAAGCAGAAAAGTCTGGCTTTCC  
 ACAGGCCACCTTATCACTTGCTGCAGCAAGCTGACAGTCAAGTCTGGCCTACGGCACCTGACATTACTCGT  
 TGATGAGGTTGCCAGCCTTGCCCTCTGCCTCAGGAGGTTTTGGCAGCAAAATTCCTACTCCACGGTGCCT  
 TCCAAGGATTGGAAGACGAAGGGATCCCCTCGGACGTACCTAAGCTCAAGAGAAAAAGCAAGAAGGATG  
 ATGGGGATTACAGCTGTGGGATCCCGGCTCACAGAGCACCAGGTGGCAGAGCCCCCTGAAGACTGGCCAGC  
 ACTAATTTGGCAGCAGCAAGAGAGCTGGCAGAGCTATGGCACAACCAAGAAGAACTGCTACAGCGTCTC  
 TGTGCCAGCTTGAAGGCTTTCAGAGTACTGTACAGACCATGTAGAGCGTGCCTGGAGACGCGGCATG  
 AGCAGGAGCAACGGCGGCTGGAACGGGCACTGGCTGAGGGGCAGCAACGGGGTGGCAGCTGCAGGAGCA  
 GCTGACACAGCAGCTATCCCAGGCATTGTCTTCAGCTGTGGCTGGGCGGCTAGAGCGCAGCGTAAGGGAT  
 GAAATCAAGAAAACGGTTCCCTCCATGTGTCTCCAGAACTGGAGCCTGTTGCAGTCAACTAAGCAACT  
 CAGTGGCTACCAAGCTTACAGCTGTGGAAGGCAGCATGAAAGAGAATATCTTAAGCTACTCAAGTCCAA  
 GAACCTAACAGATGCCATTGCCCGAGCAGCTGCAGACAGTTACAGGGACCAATGCAGGCTGCCTACCGG  
 GAAGCCTTCCAGAGTGTGGTACTGCCAGCTTTTGAGAAGAGTTGCCAGGCTATGTTCCAGCAAATCAATG  
 ACAGCTTTAGGCTGGGCACACAGGAATATTTGAGCAGCTGGAGAGTCAATGAAGAGCCGGAAGGCCCG  
 TGAACAAGAAGCTAGGGAGCCTGTGCTGGCCAGCTTCCGGGCGCTGGTCAGCACACTGCAGAGTCCACC  
 GAGCAGATGGCGCCACTGTATCTAGCAGTGTTCGGGCCAGGTGCAACACCAGCTGCATGTGGCTGTGG  
 GCAGCTTGCAAGGAGTCAATCTTAGCACAAGTACAGCGCATTGTCAAGGGTGAAGTGAAGTGTGGCACTTAA  
 GGAGCAGCAGGCCACCGTCACTTCCAGCATCATGCAGGCTATGCGTTGAGCTGCTGGCACACCTGTCCCC  
 TCTGCCACCTTGACTGCCAGGCCCAACAAGCCCATATCTTGCAGTACTGCAGCAGGGCCACCTCAATC  
 AGGCCTTCCAGCAGGCACTGACTGCTGCTGATCTCAATCTGGTGTGTATGTGTGTGAAACTGTGACCC  
 AGCCCAGGTTTTTGGGCAGCCGCCCTGTCCACTATCCCAGCCTGTTCTCCTTTCCCTAATCCAGCAGCTA  
 GCATCTGACCTTGGAACTAGAAGTGACCTCAAGCTCAGTACTTGGAGAAGCTGTGATGCACCTGGACC  
 ACAGCGATCCCATCACTCGAGACCACATGGGCTCTGTATGGCTCAGGTGCGCCAGAAGCTTCCAGTT  
 CCTGCAGGCTGATCCACACAACCTACTTAGCAAAGCTGCCCGCCCTCAGCCTAATGTTACACGGCCTT  
 GTGACCCTAGCCTCCCTTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

Sgfl-Mlul

**ACCN:**

NM\_001301100

**Insert Size:**

4221 bp

**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).

<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>	<u><a href="#">NM_001301100.1</a></u> , <u><a href="#">NP_001288029.1</a></u>
<b>RefSeq Size:</b>	4803 bp
<b>RefSeq ORF:</b>	4221 bp
<b>Locus ID:</b>	234699
<b>UniProt ID:</b>	<u><a href="#">Q3UJB9</a></u>
<b>Cytogenetics:</b>	8 D3
<b>Gene Summary:</b>	<p>The protein encoded by this gene is thought to promote mRNA decay, and is known to interact with several mRNA decapping proteins. In humans, decreased expression of this gene prevents the accumulation of mRNA decapping proteins to mRNA processing bodies (P-body). Alternative splicing results in multiple protein isoforms. [provided by RefSeq, Jul 2014]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>