

## Product datasheet for **MC222461**

### **Eps15 (NM\_007943) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Eps15 (NM_007943) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Eps15
Synonyms:	2410112D09Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC222461 representing NM\_007943  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCTGCGGCAGCCAGCTCTCCCTGACACAGTTGTCAAGTGGGAATCCTGTATATGAAAAACTACTACA  
 GACAGGTTGAGGCAGGCAATACTGGAAGGGTGTGGCGTTAGATGCTGCTGCATTCTGAAAAAGTCAGG  
 GCTCCAGACTTGATTCTTGAAAAGATTTGGGATTTAGCTGACACAGATGGCAAAGGTGTCTGAGCAAA  
 CAAGAATCTTTGTTGCTTACGGCTTGTGGCATGTGCTCAGAATGGACTGGAAGTTTCACTGAGTAGCC  
 TAAGTCTGGCTGTTCTCCACCAAGATTTCACTGACTCCAGCAGTCCGTTGCTAACCAGTGGGCCCTCAGT  
 TGCTGAGCTCCCGTGGGCTGTAAGTCTGAAGATAAAGCCAAATATGATGCAATTTTTGACAGTTTAAAGC  
 CCAGTGGATGGATTTTTGTCTGGTGATAAAGTGAACAGTGTGCTCAACTCTAAGTTACCTGTGGAAA  
 TCCTTGGAAAGAGTTTGGGAGTTGAGTGATTTGACCACGATGGAAAGCTGGACAGAGATGAGTTTGCAGT  
 TGCCATGTTTTTGGTATACTGTGACTGGAGAAAGAACCTGTGCCAATGTCTTGGCTCCAGCCTTGGTG  
 CCACCTTCTAAGAGAAAAACGTGGGTTGTATCCCTGCAGAAAAAGCTAAATATGATGAAATTTTTCTGA  
 AAAGTATAAGGATATGGATGGATATGTGTCTGGACTGGAGTCCGTGAAACCTTCTGAAAAACAGGTTT  
 ACCTTCTGCCTTGTAGCCACATTTGGTCACTATGTGACACAAAAGGGCTGTGGGAAGCTTTCAAAGAC  
 CAGTTTGCCTTGGCTTTTCACTTAATCAATCAGAAGTTAATAAAAGGCATTGACCCTCCTCATAGTCTCA  
 CTCCTGAGATGATTCCACCATCAGACAGATCCAGTTTACAAAAGAATCAACAGGATCAAGTCTGTTGC  
 AGATTTTTCTGCTATTAAGGAAGTAGATACCCTTAACAATGAAATAGTTGACCTGCAGAGGGAAAAGAAC  
 AATGTGGAGCAGGACCTTAAGAGAAAGGAAGACACAGTTAAGCAGAGGACCAGTGAAGTTTCAAGTCTTC  
 AAGATGAAGTTCAAAGGGAGAGTATTAATCTACAAAACTGCAGGCCAGAACAGCAGCAGGATGCAGGATC  
 CCTGGGTGAAGTGGATGAGCAGAAAAGCCAGCTGGAGGAGCAGCTCCAGGAAGTCAGGAAAAAGTGTGCT  
 GAGGAGGCCAGCTGATTTCTTCCCTGAAAGCAGAAAATACTAGTCAAGAATCTCAGATCTCCAGTTATG  
 AGGAAGAAGTGTGAAAGCTAGAGAAGAACTAAGTCGCCTACAACAAGAAAACAGCACAATTGGAAGAAAAG  
 TGTGGAGTCAAGGAAGGCTCAGCTGGAACCTTTCAGCAGCACCTACAAGAGTCACAACAGGAAATCAGC  
 TCAATGCAAAATGAGATTGGAAATGAAAGATCTGGAAACTGATAATAACCAATCAAATTGGAGCAGTAGCC  
 CACAAAGCGTTCTTGTAAATGGTGTACAGATTACTGTAGCCTCAGCACCAGCAGCAGTGAACAGGCCAA  
 CTTCAACGAACATGCTGAAGGCCAAAACAACCTAGAGTCTGAACCCACACACCAGGAGTCCCTCAGTAAGA  
 AGTAGTCTGAAATCGCACCTTCTGATGTGACTGATGAAAGTGAAGTGTGACTGTGCTGGTGAATGAGA  
 AAGTTACTCCGAGATTTGACGATGACAAGCACTAAAAGAGGAAGATCCATTTAATGTAGAAATCAAGTTC  
 ACTGACAGATGCAGTTGCAGATACAAACTTGGATTTTTTCCAGTCTGATCCTTTTGTGGCAGTATCCT  
 TTCAAGGATGATCCTTTTGGAAAATGATCCATTTGGTGGTGACCCTTTCAAAGGCTCAGATCCTTTTG  
 CGTCTGATTGCTTCTTAAAGCAGACTTCTACTGATCCTTTTACCCTTCAAGTACGGACCCTTTCAAGTGC  
 ATCCAGCAACAGCAGTAATACATCGGTAGAAAATTTGGAAGCACAATGACCATTTGCTCCTGGTGGAAACA  
 GTTGTGCTGCAGCGAGTGATTCAGCCACAGACCCTTTGCTTCTGTTTTCGGAAATGAATCATTGGAG  
 ATGGATTTGCTGACTTCAGCACATTATCAAAGGTCAACAATGAAGATGCTTTTAACTCCTACCATATCAAG  
 TTCTACCAGCAGTGTGACCATTGCAAAACCTATGTTAGAGGAAAACAGCCAGCAAGAGTGAAGATGTGCT  
 CCAGCACTGCCGCCAAAAGTTGGCACTCCAACAAGACCTTGCCCGCCACCCCTGGGAAAAGACCCATCA  
 ACAAAATTGGATTTCTGATCCCTTAAACTGAATGATCCATTTAGCCTTTCCAGGCAATGATAGTCC  
 CAAAGAAAAAGATCCTGATATGTTTTGTGATCCATTCATTCTTCTACCCTACCAATAAAGAGGCTGAC  
 CCAAGCAATTTTGTAACTTCAGTGCTTATCCCTCTGAAGAAGATATGATTGAATGGCAAAAAGGGAAA  
 GTGAGCGGGAAGAAGAACAGAGGCTTGCCAGACTAAATCAGCAGGAGCAAGAAGACTTGGAACTGGCCAT  
 TGCA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_007943

<b>Insert Size:</b>	2664 bp
<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>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>	<a href="#">NM_007943.3</a> , <a href="#">NP_031969.1</a>
<b>RefSeq Size:</b>	2801 bp
<b>RefSeq ORF:</b>	2694 bp
<b>Locus ID:</b>	13858
<b>UniProt ID:</b>	<a href="#">P42567</a>
<b>Cytogenetics:</b>	4 C7
<b>Gene Summary:</b>	<p>Involved in cell growth regulation. May be involved in the regulation of mitogenic signals and control of cell proliferation. Involved in the internalization of ligand-inducible receptors of the receptor tyrosine kinase (RTK) type, in particular EGFR. Plays a role in the assembly of clathrin-coated pits (CCPs). Acts as a clathrin adapter required for post-Golgi trafficking. Seems to be involved in CCPs maturation including invagination or budding. Involved in endocytosis of integrin beta-1 (ITGB1) and transferrin receptor (TFR); internalization of ITGB1 as DAB2-dependent cargo but not TFR seems to require association with DAB2.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (A). Isoform A mainly localizes to clathrin-coated pits at the plasma membrane.</p>