

## Product datasheet for **MC228880**

### **Eps15I1 (NM\_001289859) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Eps15I1 (NM_001289859) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Eps15I1
Synonyms:	9830147J04Rik; A1593686; Eps15-rs; Eps15R
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC228880 representing NM\_001289859  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCGGCGCCGCTTGTACCCCTCTCGCAGCAGATTCCCGGTGGAATCCGTTATACGAGTCTTATTACA  
 AGCAGGTGGACCCTGCCTACACAGGGAGAGTTGGGGCAAGCGAGGCTGCGCTGTTTCTGAAGAAATCGGG  
 GCTCTCAGACATCATCTGGGAAGATATGGGACTTGGCAGACCCCAAGGTAAGGGTTCTTGGACAAA  
 CAGGGTTTCTATGTTGCACTGCGACTGGTGGCCTGTGCACAGAGTGGCCATGAAGTACCTTGAGCAGTC  
 TGAGCCTCACCATGCCACCACAAAATTTTCATGATACCAGCAGCCACTGATGGCCACACAGTCACTCTGC  
 AGAGACCCACTGGGCTGTGCGGGTGGAGGAGAAGGCAAAGTTTGATGGCATCTTTGAAAGCCTTCTACCA  
 GTCAATGGGCTACTCTCTGGAGACAAGGTCAAGCCGGTCTCATGAACCGAACTACCTCTGGATGTGC  
 TGGGCAGGGTCTGGACCTCAGTGACATAGACAAGGATGGACATTTGGACCGAGATGAGTTTGTGTGGC  
 TATGCACTTGGTGTACCGCGCCCTGGAGAAGGAACCAAGTCCCTCCATCTGCCCGGCCCTCATCCCA  
 CCCTCTAAGAGGAAGAAGACTGTGTTTGCAGGAGCTGTGCTGTCTGCCTGCTAGTCCCCACCCAAAG  
 ACAGCCTCCGCTCCACACCATCCACCGGACGCTAAGCAGCCTCAACAGCACAGGAGCCTGTCCCCGAA  
 GCACAGCGTCAAGCAGCCACCAGTGGCCTGGGTTGTGCCTGTGGCAGATAAGATGCGCTTTGATGAGATC  
 TTTTGAAGACAGACCTGGACCTTGATGGCTATGTGAGTGGCCAGGAAGTTAAGGAGATCTTCATGCACT  
 CAGGCCTCACTCAGAACCTTCTGGCACACATCTGGGCCCTGGCTGATAACAAGACAACCGGCAAGTTAAG  
 CAAAGAGCAGTTCGCACTAGCTATGTATTTTCATTGAGCAGAAAGTCAAGTAAAGGCATCGACCCTCCTCA  
 ATCAGGAGAGTTCAGTGGTGTAAAGAGCTGGATGACATTAGCCAGGAGATCGCACAGTTGACAGAGAGA  
 GAAATACTCATTGGAACAAGACATCAGAGAAAAGGAAGGCAATCAGACAGAAAACCGCGAAGTACAG  
 GAATTACAAAATGACCTAGACCGGAAACTAGTAGTCTGCAGGAGCTTGGGCTCAGAAAACAGGATGCC  
 AGGACCGCTGGATGAGATGGACCAGCAGAAGGCTAAGCTGCGGGACATGCTGAGTGACGTGCGGCAGAA  
 ATGCCAGGATGAGACCCAGACAATCTCATATTGAAAACCCAGATTCAGTCTCAGGAGTCAAGTGAAG  
 TCCAGGAGGATGACCTGAACAGGGCCAAGTCAAGCTGAATCGGCTGCAGCAAGAGGAGACACAGCTGG  
 AGCAGAGCATCCAGGCTGGACGTGCACAGCTGGAGACCATCCTCAGGTCCTGAAGTGCACACAGGATGA  
 CATCAACCAGGCAAGAAGCAAGCTGTCCAGCTACAGGAGAGCCACCTAGAAGCTCACCGGAGCCTGGAA  
 CAGTATGACCAGGATGATCCTTTCAAAAACAAAGCCTTATTGTTTAGCAACAACCTCCAGGAACTTCATC  
 CAGACCCCTTCCAGGCTGAGGACCCCTTCAAGTCCGACCCATTTAAGGAGCTGACCCCTTCAAAGGTGA  
 TCCTTTCAAAGTGATCCCTTCTCAGAGCAGCAGACAGCTACAGACCCATTTGGAGGGGATCCTTTT  
 AAAGAAAGTGACCATTCCACAGCTCAAGCAGTGTGACTTCTTCAAGAAACAGACAAAGAATGACCCAT  
 TTACCTCAGACCCCTTCAAAGAACCCTTCTTACCTTCAAAGCTCGACCCATTTGAGTCCAGTGTATCC  
 TTTTTCATCCTCCAGCATCTCCTCGAAAGGTTGAGTCCCTTTGGAACCTTAGACCCCTTTGGAAGCAGC  
 TCCTTCAGCAGTGCCGAGGGCTTCGCTGACTTCAGTCAGATGTCCAAGTTTGGCAATGAGGAGCAGCAAT  
 TGGCTTGGGCCAAGCGGGAGAGTAAAAAGCGGAGCAAGAGCGGCTGGCGAGGCTGCGGCGACAGGAACA  
 GGAGGACCTGAACTGGCCATCGCCCTCAGCAAGGCTGATATGCCAGCC**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001289859  
**Insert Size:** 2292 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>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_001289859.1</a></u> , <u><a href="#">NP_001276788.1</a></u>
<b>RefSeq Size:</b>	2727 bp
<b>RefSeq ORF:</b>	2292 bp
<b>Locus ID:</b>	13859
<b>UniProt ID:</b>	<u><a href="#">Q60902</a></u>
<b>Cytogenetics:</b>	8 B3.3
<b>Gene Summary:</b>	Seems to be a constitutive component of clathrin-coated pits that is required for receptor-mediated endocytosis. 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 (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (3) uses an alternate in-frame splice site and lacks two consecutive exons in the 3' coding region, compared to variant 1. It encodes isoform c, which is shorter than isoform a.