

## Product datasheet for **MC221145**

### **Eps8l2 (NM\_133191) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Eps8l2 (NM_133191) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Eps8l2
Synonyms:	AI042819; AW545405; Eps8r2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:**

>MC221145 representing NM\_133191  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAGCCAGTCAGCATCCATGAGCTGCTGCCAGGAGCTGCCAACGGCAGTCTGGCCGGTCTGATGGTG  
 TGCCAGGATGAGCGCAAAGGACCTGTTTGAGCAGAGGAAGAAGTACTCCAACCTCAACGTCATCATGCA  
 TGAGACTTCACAGTATCAGTGCAGCACCTGGCCACATTCATCATGGACAAGAGTGGGCTATTGCTCC  
 GTGGATGACGCCATCCGGAAGCTGGTACAGCTGAGCTCCAAGGAGAAGGTCTGGGCCAGGAAGTCTGC  
 TGCAGGTGAACGACAAGTCACTGCGACTGCTGGATGTTGAGTCCCAGGAAGAGCTGGAGAAGTCTCCGCT  
 GCCACTGTGCAGCACAGCCAGACAGTGTAAACCAGCTGCGCTACCCCTCTGTGCTGCTGCTGGTGTGC  
 CAGGACTCAGACCAGAACAAGCCCGACATCCACTTCTTTACTGTGACGAGGTGGAGGCGGAAGTGTGC  
 AGGAAGACATTGAGAGTCTCTGGCTGACTACCGGCTGGGAAGAAGATGAGACCACAGACCCTAAAGGG  
 ACACCAGGAGAAGATCCGCCAGCGGCAGTCTATCTTACCCCTCCACAGAGCCCAGCCCCATTCCCTTC  
 CAGCGACAGCCAGGAGATTCCCCCTCAGGCCAAGAACCCTGTGGGCTGCCCTTGCCAGTGCCATTACGTG  
 AACCCAGGCTATCGCAGGAGGGAATCCCAGGACGAGGAGCCACGGGCTGTGCTGGCTCAGAGAATAGAGAA  
 GGAGACGCAAACTCTTAAGTGCACCCTGGATGATATTGAATGGTTCGTGGCCAGGCTGCAGAAGGCAGCT  
 GAGGCTTTCAAGCAGTTGAACAGCGGAAAAAGGGGAAGAAGAACAAGAAGGGGCCAGCAGAGGGTG  
 TCCTTACACTTCGGGCACGCCCCCTCGGAGGGAGAGTTTGTGACTGTTTCCAGAAAACCAAGCTGGC  
 CATCAACTGTGGCGAAGTGCAGAAGCACATCCAAACCCTAGTGCAGCCGAGCTGGTGCACCTCCTC  
 TTCGGGCTCTGGATCTGATCATCAACACATGTGGCAGCCCCGACATAGCACGCTCTGTCTCCAGCCCTT  
 TGCTGTCCACTGACGCCGTGAGTCTTACGTGGCCACTTGGTCCCCAAGAGATGACACTGTGGGAATC  
 ACTGGGGGAGACCTGGATGAGGCCCTCGCTCTGAATGGCCCCGGGAGCCACAGGTGCCACTCTATGTGCC  
 AAGTTCGCGACGGCTGGGAACCCCTGGATGTCTACAGGAGGCTCCCTGGGAGGTAGAAGGACTGG  
 CATCTGTGCCAGTGATCAGCTGACCCCAAGAATCGACTATCTGTACGACATTCCCCAAGCACAGCCT  
 CTCCTCCGAGTCCCAAGCCCAGAGGACATTGCACCACCAGGCAGCTCCCCACATGCTAACAGGGGTAC  
 CAGCCAACACCAGCCATGACCAAGTACGTCAAGATCCTCTATGATTTACAGCGCGAAACGCCAATGAGC  
 TATCTGTGCTCAAGGACGAGTCTAGAGGTGCTGGAGGACGGCCGCGAGTGGTGAAGCTACGAAATCG  
 CAGTGGCCAGGCGGGCTATGTGCCCTGCAACATCTGGCTGAAGCTCGGCAGGAGGACGTGGGTGCCCC  
 TTGGAACAGTCTGGCCAGAAATACTGGGTCCAGCCAGCCCCACCACAACTGCCCCCAATTTTCGACG  
 GGAACAAAGAAGAGCTAATCCACCACATGGACGAGGTCAATGACGAGCTCATGAAAAAGATCAGCCACAT  
 CAAGACACAGCCGAGCGCAACTTCCGCGTGGAGCGCAGCCAGCCAGTGCACCTGCCGCTTACCTTCGAG  
 TCAGGTCCGGATGAGGTCCGCGCCTGGCTGGAAGCCAAGGCCCTTCAAGTCCAGGATCGTGGAGAAGCTGG  
 GCATCTTAAGTGGACCCAGCTCTTCTCCCTCAACAAGGAGGAAGTGAAGGAGTGTGCGGGGAAGAGGG  
 CAGTCCGCTGTACAGCCAGCTCACGGTTCAGAAGGCCCTTCTGGAGAAACAACAAGTGGGTGAGAACTG  
 GAGAAGCTCATGAGCAAGATCAGGAGGGCCGAGGACAGCTATACCAGCCAACACACTTACCAGAGTCAAG  
 AGGGGGCGCCGACCTG**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

Sgfl-Mlul

**ACCN:**

NM\_133191

**Insert Size:**

2190 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>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_133191.2</a></u> , <u><a href="#">NP_573454.2</a></u>
<b>RefSeq Size:</b>	3079 bp
<b>RefSeq ORF:</b>	2190 bp
<b>Locus ID:</b>	98845
<b>UniProt ID:</b>	<u><a href="#">Q99K30</a></u>
<b>Cytogenetics:</b>	7 F5
<b>Gene Summary:</b>	Stimulates guanine exchange activity of SOS1. May play a role in membrane ruffling and remodeling of the actin cytoskeleton (By similarity). In the cochlea, is required for stereocilia maintenance in adult hair cells (PubMed:23918390).[UniProtKB/Swiss-Prot Function]