

## Product datasheet for RN211918

### Eipr1 (NM\_001012192) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Eipr1 (NM\_001012192) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Eipr1  
**Synonyms:** Eipr1; Tssc1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN211918 representing NM\_001012192  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGAAGACGACGCCCGGTGATCTACGGGCTGGAATTCAGGCACGTGCTCTAACACCTCAAACCTGCGG  
AAACAGATGCCATTCGCTTCTTGGTTGGGACGCAGTCTCTTAAATATGATAATCAGATCCACATCATAGA  
CTTTGATGACGAAAATAACATTATAAATAAAAAATGTCCTCCTCCATCAAGCCGGTGAATCTGGCACATC  
AGTGCCAGCCCAGCAGATAAAGGTGTCTGGCCACCTGCTACAACAAAATTCAGACAGTCGAGTCCAGG  
CATGTGCAGCCGTGTGGAGGATGCCAAGGAATTAGAATCTGGTAGCCACGAGTCCCTGAAGACCTGC  
AAGCACTGCGCAGACCCTGGAGCTGCTCTGTACCTTGACAACGGGGCCCAAGGCAACGTGGCCTGTGTC  
GTGTGGGAACCGATGGGGATGGGAAGAAGGTCATTTCCCTGGCCGACAGCCACATACTTCTGTGGGACC  
TCCAGCCCAGCTCAAGCCAAGCTGTGCTGGCCAGCTCAGCAGCACTGGAAGGAAGGGGACAGCTGAAGTT  
TACCTCGGGCCGGTGGAGCCACACCACAACGTACCCAGGTGGCCACAGCCAGTGATACTACCCCTCCGA  
GGATGGGATACACGGAGCATGAGCCAGATATACTGCATAGAGAACGCTCATGGGACGCTGGTGCCTGACC  
TAGACTTCAACCCCAACAAGCAGTATTACCTCGCCAGCTGTGGAGATGACTGCAAGGTGAAGTTCTGGGA  
CACACGGAATGTCACCGAGCCTGTGAAGACCCTGGAGGAGCATTCCCACTGGGTGTGGAGCGTGCCTTAC  
AACCACTCTCACGACCAGCTGGTCTCACTGGCAGCAGCGACAGCAGAGTTATCCTGTCCAACATGGTGT  
CTATCTCCTCAGAGCCCTTTGGCCACCTGGTGGACGATGATGACGTGAGTACCCAGAGGAGCACCATAC  
TGAGAAGAGTAAGGAACCCCTTCAGGACAACGTTATTGCCACCTATGAGGAGCATGAGGACAGCGTGTAT  
GCTGTGGATTGGGCCTCAGCTGACCCATGGCTGTTTCGCTTCCCTGAGTTACGATGGGAGACTAGTTATCA  
ACAGAGTCCCCAGGGCACTGAAGTACCACATACTGCTC**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI



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<b>ACCN:</b>	NM_001012192
<b>Insert Size:</b>	1161 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>	<u><a href="#">NM_001012192.1</a></u> , <u><a href="#">NP_001012192.1</a></u>
<b>RefSeq Size:</b>	1603 bp
<b>RefSeq ORF:</b>	1161 bp
<b>Locus ID:</b>	362721
<b>UniProt ID:</b>	<u><a href="#">Q5PPK9</a></u>
<b>Cytogenetics:</b>	6q16
<b>Gene Summary:</b>	Acts as a component of endosomal retrieval machinery that is involved in protein transport from early endosomes to either recycling endosomes or the trans-Golgi network. Mediates the recruitment of Golgi-associated retrograde protein (GARP) complex to the trans-Golgi network and controls early endosome-to-Golgi transport of internalized protein. Promotes the recycling of internalized transferrin receptor (TFRC) to the plasma membrane through interaction with endosome-associated recycling protein (EARP) complex.[UniProtKB/Swiss-Prot Function]