

Product datasheet for RR211918

Eipr1 (NM_001012192) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Eipr1 (NM_001012192) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Eipr1
Synonyms: Eipr1; Tssc1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR211918 representing NM_001012192
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAAGACGACGCCCGGTGATCTACGGGCTGGAATTCAGGCACGTGCTCTAACACCTCAAACCTGCGG
AAACAGATGCCATTCGCTTCTTGGTTGGGACGCAGTCTCTTAAATATGATAATCAGATCCACATCATAGA
CTTTGATGACGAAAATAACATTATAAATAAAAAATGTCCTCCTCCATCAAGCCGGTGGAGATCTGGCACATC
AGTGCCAGCCAGCAGATAAAGGTGTCTGGCCACCTGCTACAACAAAATTCAGACAGTCGAGTCCAGG
CATGTGCAGCCGTGTGGAGGATGCCAAGGAATTAGAATCTGGTAGCCACGAGTCCCTGAAGACCTGC
AAGCACTGCGCAGACCCTGGAGCTGCTCTGTACCTTGACAACGGGGCCCAAGGCAACGTGGCCTGTGTC
GTGTGGGAACCGATGGGGGATGGGAAGAAGGTCATTTCCCTGGCCGACAGCCACATACTTCTGTGGGACC
TCCAGCCAGCTCAAGCCAAGCTGTGCTGGCCAGCTCAGCAGCACTGGAAGGAAGGGGACAGCTGAAGTT
TACCTCGGGCCGGTGGAGCCACACCACAACGTACCCAGGTGGCCACAGCCAGTGATACTACCCCTCCGA
GGATGGGATACACGGAGCATGAGCCAGATATACTGCATAGAGAACGCTCATGGGCAGCTGGTGCCTGACC
TAGACTTCAACCCCAACAAGCAGTATTACCTCGCCAGCTGTGGAGATGACTGCAAGGTGAAGTTCTGGGA
CACACGGAATGTCACCGAGCCTGTGAAGACCCTGGAGGAGCATTCCCACTGGGTGTGGAGCGTGCCTTAC
AACCACTCTCACGACCAGCTGGTCTCACTGGCAGCAGCGACAGCAGAGTTATCCTGTCCAACATGGTGT
CTATCTCCTCAGAGCCCTTTGGCCACCTGGTGGACGATGATGACGTCACTGACCCAGAGGAGCACCATAC
TGAGAAGAGTAAGGAACCCCTTCAGGACAACGTTATTGCCACCTATGAGGAGCATGAGGACAGCGTGTAT
GCTGTGGATTGGGCCTCAGCTGACCCATGGCTGTTTCGCTTCCCTGAGTTACGATGGGAGACTAGTTATCA
ACAGAGTCCCAGGGCACTGAAGTACCACATACTGCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RR211918 representing NM_001012192
Red=Cloning site Green=Tags(s)

MEDDAPVIYGLEFQARALTPQTAETDAIRFLVGTQSLKYDNQIHIIDFDDENNIINKNVLLHQAGEIWHI
 SASPADKGVLATCYNKTSDSRVQACA AVWRMPKELESGSHESPEDPASTAQTLELLCHLDNGAQGNVACV
 VWPEMGDGKKVISLADSHILLWDLQPSSQAVLASSAALEGRGQLKFTSGRWSPHHNCTQVATASDITLR
 GWDTRMSQIYCIENAHGQLVRDLDFNPNKQYYLASCDDCKVKFWDTRNVTEPVKTL EEHSHVWVSVRY
 NHSHDQLVLTGSSDSRVILSNMVISSEPFGLVDDDDVSDPEEHHTEKSKEPLQDNVIATYEEHEDSVY
 AVDWASADPWL FASLSYDGRLLV INRVPRALKYHILL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

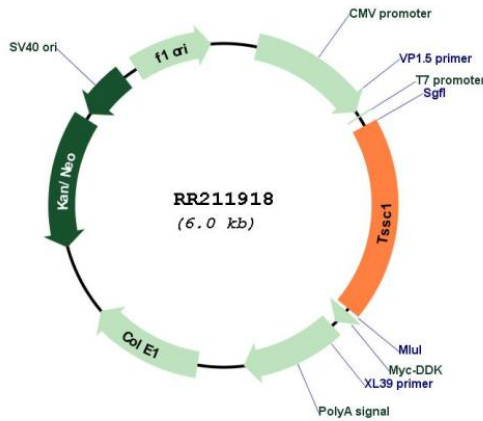
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001012192

ORF Size:	1158 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	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).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.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.
RefSeq:	NM_001012192.1 , NP_001012192.1
RefSeq Size:	1603 bp
RefSeq ORF:	1161 bp
Locus ID:	362721
UniProt ID:	Q5PPK9
Cytogenetics:	6q16
MW:	43.2 kDa
Gene Summary:	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]