

Product datasheet for MR206040

Eipr1 (NM_201357) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eipr1 (NM_201357) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Eipr1
Synonyms:	D12Erttd604e; Eipr1; Tssc1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206040 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAGACGACGCCCGGTGATTTACGGGCTGGAATTCAGGCACGTGCTCTAACACCTCAAACCTGCGG
AAACAGATGCCATTTCGTTCTTGGTTGGGACGCAGTCTCTTAAATATGATAATCAGATCCACATCATAGA
CTTTGATGACGAAAATAACATTATAAATAAAAAATGTCCTCCTCCATCAAGCGGGTGAATCTGGCACATC
AGTGCCAGCCCGCAGATAAAGGTGTGCTGGCCACCTGCTACAACAAAACACAGACAGTCGAGTCCAGG
CGTGTGCAGCTGTGTGGAGGATGCCAAGGAATTAGAATCCGGTAGCCACGAGTCCCTGACGACCCTGC
AAGCACTGCTCAGACCCTGGAGCTGCTCTGTACCTTGACAACCTCGGCCAAGGCAACGTGGCCTGTGTC
GTGTGGGAACCGATGGGGATGGGAAGAAGTCAATTCCTGGCCGATAGCCACATCCTGTGTGGGACC
TCCAGCCCAGCTCGAGCCAGGCTGTGCTGGCCAGCTCAGCAACACTGGAAGGAAGGGGACAGCTGAAGTT
TACCGCGGGCGGTGGAGCCACATCACAACCTGTACCCAGGTGGCCACAGCAAGTGATACGACCCTCCGA
GGATGGGACACACGGAGCATGAGCCAGATATACTGCATAGAGAACGCTCATGGGCAGCTGGTGCCTGACC
TAGACTTCAACCCCAACAAGCAGTATTACCTCGCCAGCTGTGGAGATGACTGCAAGGTGAAGTTCTGGGA
CACACGGAATGTACCCGAGCCTGTGAAGACCCTGGAGGAGCACTCCCACTGGGTGTGGAGTGTGCCTAC
AACCCTCTCAGACCAGCTGGTCTCCTACTGGCAGCAGGACAGCAGAGTCATCCTGCCAATGGTAT
CTATCTCCTCAGAGCCCTTTGGTCACTGGTGGACGATGATGACGTGAGTACCCAGAAGAGCACCATGC
TGAAAAGAGCAAGGAACCCCTGCAGGACAACGTTATTGCCACCTATGAGGAGCATGAGGACAGCGTGTAT
GCAGTGGACTGGGCTCAGCTGACCCATGGCTGTTTGGTCCCTAAGTTACGACGGGAGACTGGTTATCA
ACAGAGTCCCAGGGCACTGAAGTACCACATACTGCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR206040 protein sequence
Red=Cloning site Green=Tags(s)

MEDDAPVIYGLEFQARALTPQTAETDAIRFLVGTQSLKYDNQIHIIDFDDENNIINKNVLLHQAGEIWHI
 SASPADKGVLATCYNKTTDSRVQACAAVWRMPKELESGSHESPDDPASTAQTELELLCHLDNSAQGNVACV
 VWPEMGDGKKVVISLADSHILLWDLQPSSQAVLASSATLEGRGQLKFTAGRWSPPHNCTQVATASDTTLR
 GWDTRMSQIYCIENAHGQLVRDLDFNPNKQYYLASCDDCKVKFWDTRNVTEPVKLEEHSWVWSVRY
 NHSHDQLVLTGSSDSRVILSNMVSISSEPFGLVDDDDVSDPEEHHAEKSKEPLQDNVIATYEEHEDSVY
 AVDWASADPWLFASLSYDGRLVINRVPRALKYHILL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_201357

ORF Size: 1161 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:

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_201357.1](#), [NP_958745.1](#)

RefSeq Size: 1692 bp

RefSeq ORF: 1161 bp

Locus ID: 380752

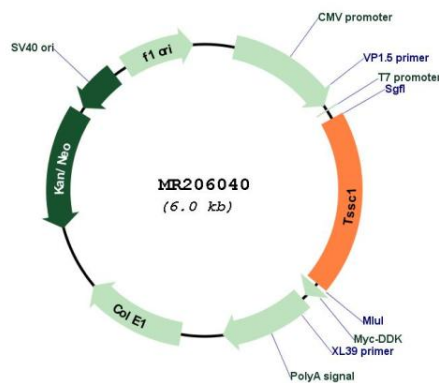
UniProt ID: [Q8K0G5](#)

Cytogenetics: 12 11.26 cM

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]

Product images:



Circular map for MR206040