

Product datasheet for MR221778

Ptprk (NM_008983) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptprk (NM_008983) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ptprk
Synonyms:	A1853699; PTPk; RPTPkappa
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR221778 representing NM_008983 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence: >MR221778 representing NM_008983
 Red=Cloning site Green=Tags(s)

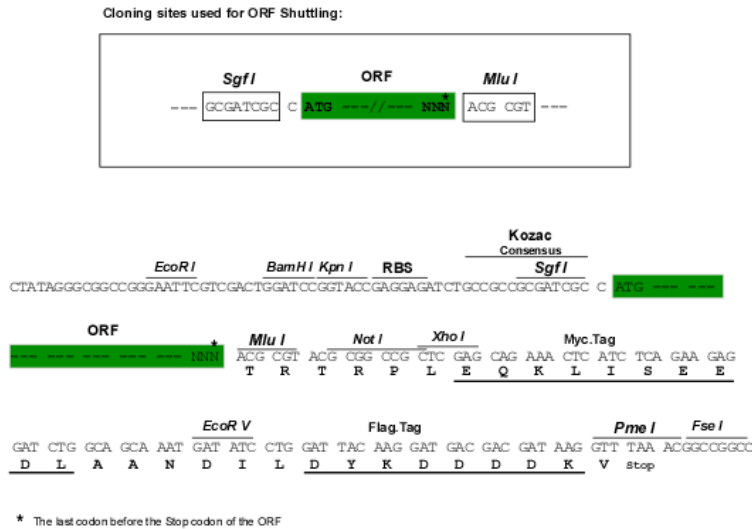
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Chromatograms: https://cdn.origene.com/chromatograms/mm9001_c01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

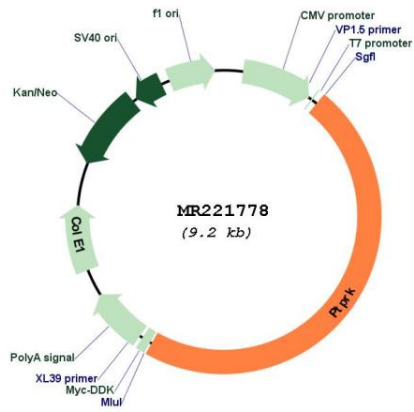


ACCN: NM_008983

ORF Size: 4371 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_008983.2 , NP_033009.1
RefSeq Size:	6177 bp
RefSeq ORF:	4374 bp
Locus ID:	19272
UniProt ID:	P35822
Cytogenetics:	10 15.06 cM
MW:	164.6 kDa
Gene Summary:	Regulation of processes involving cell contact and adhesion such as growth control, tumor invasion, and metastasis. Negative regulator of EGFR signaling pathway. Forms complexes with beta-catenin and gamma-catenin/plakoglobin. Beta-catenin may be a substrate for the catalytic activity of PTPRK/PTP-kappa.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR221778