

Product datasheet for **RR212021**

Ptgfrn (NM_019243) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptgfrn (NM_019243) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ptgfrn
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide
Sequence:

>RR212021 representing NM_019243
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

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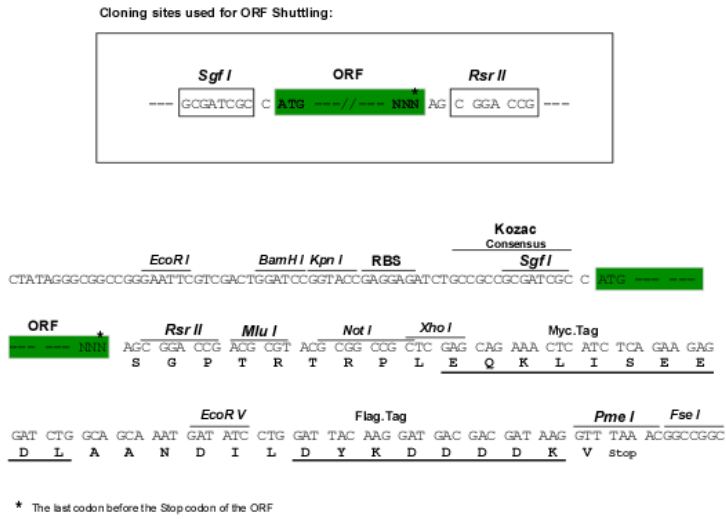
Protein Sequence: >RR212021 representing NM_019243
Red=Cloning site Green=Tags(s)

MGRPAPRPLLLALLSLAVCRGRVVRVPAGTLVRVVGTELVIPCNVSDYDGPSEQNFDWSFSSSGSSFVEL
ASTWEVGFPAQQYRERLQRGDILLRRTANDAVELHIKNVQPSDQGHYKCSTPSTDATVQGNIEDTMQVKV
LADALVVGPPSSRPPGLSLREGEFFELRCIASTTSPLHHLALRWELHRGPVHRSILALSHEGRFHPGPG
YEQRYHSGDVRDLDTVGSDAYRLSVARALSADQGSYRCVVSEWITEQGSWQEIQEKAVEVATVVIQPTALQ
LAVPRTVSVTEGKDLDLSCNITDRVDDVRPEVTWYFKKTPDTSLLASHMLARLDRDSL VHSSPHVALSH
VDTRSYHLLVRDVSKENSGYYLCLVALWAPGHNRSWHKVAEAMSAPSGVSVTWLEPEYQVYLNASKVPGF
SDDPTELQCRVIDTKRVDAGVRLTVSWYYRMNRRNDDVASELLAVMDGDWTLRYGERSKQRAQDGEFIF
SKEHTDTFSFRIQRTTEEDRGSYYCVSAWTRQRNSSWVKSKDVF SKPVNIFWASEDSVLVVKARQPKPF
FAAGNTFEMTCKVSSKNIKSPRYSVLITAEKPVGDLSSPNETKYIISLDQDSVVKLENWTDASRVDGVVL
EKVQEDEFYRMYQTQVSDAGLYRCMVTAWSPIGGSLWREAATSLSNPIEIDFQTS GPIFNASVHSDTLS
VTRGDLIKLFCIVTDGAVLDPDDMAFDVSWFAVHSFGLDKAPILLSSLDRKGVVTTGQRDVKSTVSLER
VSVLEFLLQVHSSSEDQDFGNYYCSVTPWVRSPTGSWQREAEIHSRPIFITVKMDVLNAFKYPLLIGVGLS
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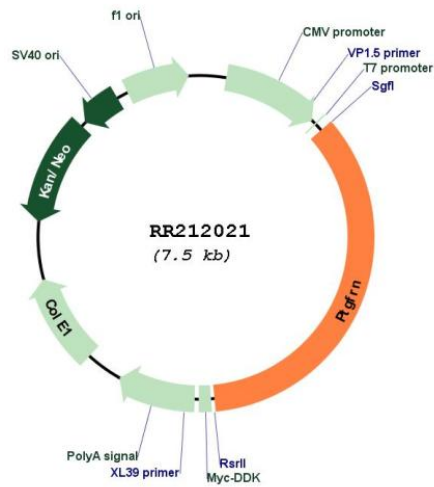
SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN:	NM_019243
ORF Size:	2637 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_019243.1 , NP_062116.1
RefSeq Size:	5825 bp
RefSeq ORF:	2640 bp
Locus ID:	29602
UniProt ID:	Q62786
Cytogenetics:	2q34
MW:	98.7 kDa
Gene Summary:	binds prostaglandin F2 alpha and inhibits its binding to the prostaglandin F2 alpha receptor [RGD, Feb 2006]