

# Product datasheet for RR207413L4

## Pf4 (NM\_001007729) Rat Tagged Lenti ORF Clone

### **Product data:**

#### OriGene Technologies, Inc.

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Product Type:	Expression Plasmids					
Product Name:	Pf4 (NM_001007729) Rat Tagged Lenti ORF Clone					
Tag:	mGFP					
Symbol:	Pf4					
Synonyms:	Cxcl4; PF-4; Pf4a; RATPF4A					
Mammalian Cell Selection:	Puromycin					
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)					
E. coli Selection:	Chloramphenicol (34 ug/mL)					
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR207413).					
<b>Restriction Sites:</b>	Sgfl-Mlul					
Cloning Scheme:						
	Cloning sites used for ORF Shuttling:					
	Sgf I ORF Miu I					
	GCG ATC GCC ATG NNN ACG CGT					

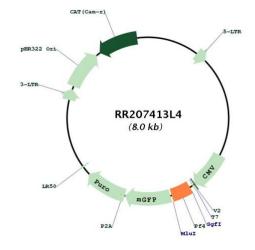
					K	ozak nsensus	_				
EcoR I	Bam	HI	RBS			Sgf I				OR	F
CTATAGGGCGGCCGGGAATTCGTC	GACTGGA	TCCGGTAC	GAGGAG	ATCTG	cocco	GCGATCG		G			-
	Mlu I		Noti_X	ho I		mGFP	Tag				
NNŇ	ACG CGT	ACG CGG		GAG F	ATG A	GC GGG	GGC				
	I N	I N	F L	-	141	3 0	0	-	-	<u> </u>	<u> </u>
GGA CTC AGA GTT TGG	G GTA GGA	AGC									

\* The last codon before the Stop codon of the ORF.



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#### Plasmid Map:



ACCN:	NM_001007729
ORF Size:	315 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. <u>More info</u>
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> <li>Centrifuge at 5,000xg for 5min.</li> <li>Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>Close the tube and incubate for 10 minutes at room temperature.</li> <li>Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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>
RefSeq:	<u>NM 001007729.1, NP 001007730.1</u>
RefSeq Size:	318 bp
RefSeq ORF:	318 bp

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	Pf4 (NM_001007729) Rat Tagged Lenti ORF Clone – RR207413L4
Locus ID:	360918
UniProt ID:	<u>P06765</u>
Cytogenetics:	14p22
Gene Summary:	member of low-molecular weight chemokines superfamily; may mediate inflammation and immune response [RGD, Feb 2006]

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