

Product datasheet for RC211322L1

PF4 (NM_002619) Human Tagged Lenti ORF Clone

Product data:

OriGene Technologies, Inc.

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Product Type:	Expression Plasmids			
Product Name:	PF4 (NM_002619) Human Tagged Lenti ORF Clone			
Tag:	Myc-DDK			
Symbol:	PF4			
Synonyms:	CXCL4; PF-4; SCYB4			
Mammalian Cell Selection:	None			
Vector:	pLenti-C-Myc-DDK (PS100064)			
E. coli Selection:	Chloramphenicol (34 ug/mL)			
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC211322).			
Restriction Sites:	Sgfl-Mlul			
Cloning Scheme:	Cloning sites used for ORF Shuttling:			
	Sgf I ORF Mlu I GCG ATC GCC ATG NNN ACG CGT			

			Kozak Consensus			
EcoR I	BamH I	RBS	Sgf I ORF			
CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGC C ATG ··· ··· ···						
	Mlul	Notl_Xh	hol Myc.Tag			
NNŇ	ACG CGT AC	G CGG CCG CTC R P L	GAG CAG AAA CTC ATC TCA GAA GAG E Q K L I S E E			
DDK.Tag						
GAT CTG GCA GCA AAT GAT ATC C			GAT AAG GTT TAA ACGGCCGGCC			
<u> </u>	LDYK	DDD	D K V Stop			
* The last codon before the Stop codon of the ORF.						

ACCN: ORF Size: NM_002619 303 bp



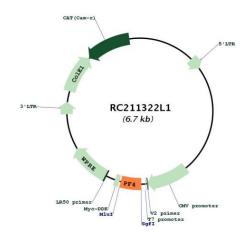
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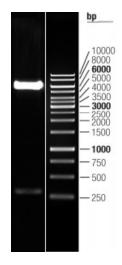
ORIGENE PF4 (NI	M_002619) Human Tagged Lenti ORF Clone – RC211322L1
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. 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:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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:	<u>NM 002619.1</u>
RefSeq Size:	878 bp
RefSeq ORF:	306 bp
Locus ID:	5196
UniProt ID:	<u>P02776</u>
Cytogenetics:	4q13.3
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane
Protein Pathways:	Chemokine signaling pathway, Cytokine-cytokine receptor interaction
MW:	10.8 kDa
Gene Summary:	This gene encodes a member of the CXC chemokine family. This chemokine is released from the alpha granules of activated platelets in the form of a homotetramer which has high affinity for heparin and is involved in platelet aggregation. This protein is chemotactic for numerous other cell type and also functions as an inhibitor of hematopoiesis, angiogenesis and T-cell function. The protein also exhibits antimicrobial activity against Plasmodium falciparum. [provided by RefSeq, Oct 2014]

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Product images:



Circular map for RC211322L1



Double digestion of RC211322L1 using Sgfl and Mlul

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