

Product datasheet for RC209758L1

RFX2 (NM_000635) Human Tagged Lenti ORF Clone

Product data:

OriGene Technologies, Inc.

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Dreduct Turner	
Product Type:	Expression Plasmids
Product Name:	RFX2 (NM_000635) Human Tagged Lenti ORF Clone
Tag:	Myc-DDK
Symbol:	RFX2
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(RC209758).
Restriction Sites:	Sgfl-Mlul
Cloning Scheme:	
	Cloning sites used for ORF Shuttling:
	Sgf I ORF Miu I
	GCG ATC GC C ATG// NNŇ ACG CGT
	Kozak Consensus
	EcoR I BamH I RBS Sgf I ORF CTATAGGGCGGGCGGGGAATTCGTCGGATCGGGATCGCCGGGAATCGCCGGGAATTCGTCGGATCGCGGGACGCGCGGGACGCG ATG

<u>Miu i</u> <u>Noti Xhoi</u> Myc.Tag ACG CGT ACG CGG CCG CTC GAG CAG AAA CTC ATC TCA GAA GAG T R R P L <u>C Q K L I S E E</u> DDK.Tag

GAT CTG GCA GAT AAT GAT ATC CTG GAT TAC AAG GAT GAC GAC GAT AAG GTT TAA ACGGCCGGCC D L A A N D I L D Y K D D D K V stop

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

ACCN: ORF Size: NM_000635 2169 bp



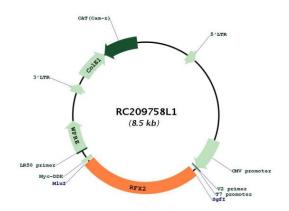
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ORIGENE RFX2 (NM_000635) Human Tagged Lenti ORF Clone – RC209758L1	
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can 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 000635.2</u>
RefSeq Size:	4114 bp
RefSeq ORF:	2172 bp
Locus ID:	5990
UniProt ID:	<u>P48378</u>
Cytogenetics:	19p13.3
Protein Families:	Druggable Genome, Transcription Factors
MW:	80 kDa
Gene Summary:	This gene is a member of the regulatory factor X gene family, which encodes transcription factors that contain a highly-conserved winged helix DNA binding domain. The protein encoded by this gene is structurally related to regulatory factors X1, X3, X4, and X5. It is a transcriptional activator that can bind DNA as a monomer or as a heterodimer with other RFX family members. This protein can bind to cis elements in the promoter of the IL-5 receptor alpha gene. Two transcript variants encoding different isoforms have been described for this gene, and both variants utilize alternative polyadenylation sites. [provided by RefSeq, Jul

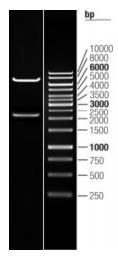
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Product images:



Circular map for RC209758L1



Double digestion of RC209758L1 using Sgfl and Mlul

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