

# Product datasheet for RC208129L1

# CRKL (NM\_005207) Human Tagged Lenti ORF Clone

### **Product data:**

#### OriGene Technologies, Inc.

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Product Type:	Expression Plasmids
Product Name:	CRKL (NM_005207) Human Tagged Lenti ORF Clone
Tag:	Myc-DDK
Symbol:	CRKL
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(RC208129).
<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
	Kozak
	<u>EcoR I BamH I RBS Sgf I</u> ORF CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGGAGCAGGAGATCTGCCGCCGCGATCGC C ATG

GAT CTG GCA GCA 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\_005207 909 bp



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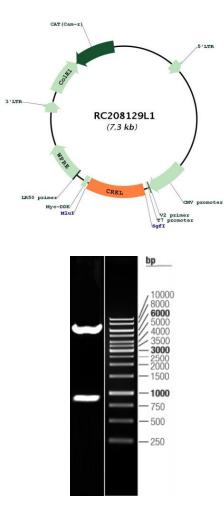
of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amount OD DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <u>custsupport@origene.com</u> or by calling 301.340.3188 option 3 for pricing and delivery.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 throug naturally occurring variations (e.g. polymorphisms), each with its own walle existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More infoOTI 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 Method1. Centrifuge at 5,000xg for Smin. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and then do a quick spin (less than 5000xg) to concentrate the liqui at the bottom.RefSeq:NM 005207.2RefSeq Size:5235 bpRefSeq ORF:912 bpLocus ID:1399UniProt ID:P45109Cytogenetics:22q11.21Domains:SH2, SH3Protein Families:Drugable GenomeProtein Families:Drugable GenomeProtein Fantilies:	<b>ORIGENE</b> CRKL (NM_005207) Human Tagged Lenti ORF Clone – RC208129L1	
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<b>MW:</b> 33.6 kDa	Protein Pathways:	Chemokine signaling pathway, Chronic myeloid leukemia, ErbB signaling pathway, Fc gamma R-mediated phagocytosis, Focal adhesion, Insulin signaling pathway, MAPK signaling pathway, Neurotrophin signaling pathway, Pathways in cancer, Regulation of actin cytoskeleton, Renal cell carcinoma
	MW:	33.6 kDa

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Gene Summary:This gene encodes a protein kinase containing SH2 and SH3 (src homology) domains which<br/>has been shown to activate the RAS and JUN kinase signaling pathways and transform<br/>fibroblasts in a RAS-dependent fashion. It is a substrate of the BCR-ABL tyrosine kinase, plays<br/>a role in fibroblast transformation by BCR-ABL, and may be oncogenic.[provided by RefSeq,<br/>Jan 2009]

# **Product images:**



Circular map for RC208129L1

Double digestion of RC208129L1 using Sgfl and Mlul

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