

## Product datasheet for **RC238911**

### **CRNKL1 (NM\_001278627) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	CRNKL1 (NM_001278627) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CRNKL1
Synonyms:	CLF; Clf1; CRN; HCRN; MSTP021; SYF3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RC238911 representing NM\_001278627  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGAATGAAGAATCGCCAAGTCAACCATGCTCGAAATATCTGGGACCGGCCATAACAACGCTGCCTC  
 GAGTTAATCAGTTCTGGTACAAGTACACGTACATGGAGGAAATGTTGGGAAACGTTGCCGGTGCCCGCA  
 GGTGTTTGAGCGCTGGATGGAGTGGCAGCCTGAGGAGCAAGCCTGGCACTCCTACATCAACTTTGAGCTG  
 AGATACAAAGAGGTGGATCGGGCCCGCACCATTTATGAGCGATTTGCTCGTGCACCCTGATGTTAAGA  
 ACTGGATCAAGTATGCCCGCTTTGAAGAAAAACATGCTTATTTTGCCATGCACGAAAGTGTATGAGAG  
 AGCTGTGGAATTTTGGAGATGAACATATGGATGAGCACCTTTATGTTGCCTTTGCCAAGTTTGAAGAA  
 AATCAGAAAGAGTTTGAAGGGTACGAGTGATTTACAAGTATGCCCTGGACAGAATTTCAAACAAGATG  
 CCCAAGAACTCTTAAAAATTATACCATCTTTGAGAAGAAGTTTGGTGATAGGCGGGGTATTGAAGATAT  
 CATTGTGAGCAAACGGAGATTCCAGTACGAAGAAGAAGTGAAGGCGAATCCACACAATTATGATGCATGG  
 TTTGATTACTTGGCCTTGGTAGAAAAGTGACGCAGAAGCTGAAGCCGTGAGAGAAGCTATGAAAGGCCA  
 TTGCCAATGTCCACCCATTCAGGAGAAGAGGCACTGGAAGCGCTACATTTATCTTTGGATCAACTATGC  
 ACTCTATGAAGAAATGGAGGCAAGGATCCTGAGAGGACAAGACAGGTGTATCAAGCCTCTTTGGAAC  
 ATCTCTCACAAAAAGTTCACATTTGCCAAAATGTGGATACTGTATGCACAGTTTGAATACGACAGAAGA  
 ATCTGTCAATAGCCAGAAGAGCATTGGGAACTCCATAGGCAATGTCCAAGAACAATATTTAAAGT  
 TTACATAGAATTGGAGCTACAGCTTCGAGAATTTGACAGATGCCGGAAGCTTTATGAAAAGTTCTGGAA  
 TTTGGACCTGAAAATTGACCTCATGGATTAATTCGCTGAATTAGAGACAATCCTTGGTGATATTGACA  
 GAGCACGGGCAATCTATGAATTAGCCATCAGTCAGCCAGTTTAGACATGCCAGAGGTGCTTTGGAATC  
 ATATATTGATTTTGAATTTGAGCAGGAAGAAACAGAAAGAACACGAAACCTTTACCGGCGGTTGCTCAA  
 CGGACGCAGCATGCAAGGTATGGATCAGCTTTGCTCAGTTTGTCTTTCAGGAAAAGAAGGAAGTT  
 TGACTAAATGCAGACAAATTTATGAAGAAGCTAACAAAACCATGCGAAACTGTGAAGAAAAGGAAGAG  
 ACTTATGCTGCTGGAATCTTGGCGAAGTTTGAAGAAGAATTTGGAACAGCTTACAGATAAGGAGAGAGTA  
 GACAAACTCATGCCAGAGAAAGTCAAGAAGAGAAGAAAGTCCAGACTGATGATGGGTCTGATGCAGGCT  
 GGGAAGAATACTTTGATTACATCTTTCCAGAAGATGCTGCCAACCAACCTAACCTCAAACCTCTGGCCAT  
 GGCCAAACTGTGAAGAAAACAGCAGCAGGAAAAGGAGGATGCTGAGCACCATCCAGATGAGGACGTCGAT  
 GAGAGTGAAATCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC238911 representing NM\_001278627  
 Red=Cloning site Green=Tags(s)

MEMKNRQVNHARNIWDRAITTLPRVNQFWYKYTYMEMLGNVAGARQVFERWMEWQPEEQAWHSYINFEL  
 RYKEVDRARTIYERFVLVHPDVKNWIKYARFEEKHAYFAHARKVYERAVEFFGDEHMDEHLYVAFKFE  
 NQKEFERVRVIYKYALDRISKQDAQELFKNYTIFEKFGDRRGIEDIIVSKRRFQYEEVKANPHNYDAW  
 FDYLRLESDAEAEAVREYERAIANVPPIQEKRWKRYIYLWINYALYEELEAKDPERTQVYQASLEL  
 IPHKKFTFAKMWILYAQFEIRQKNLSLARRALGTSIGKCPKNLKFVYIELELQLREFDRCKLYEKFL  
 FGPENCTSWIKFAELETILGDIDRARAIYELAISQPRLDMPVLWKSIDFEIEQEETERRNLYRRLQ  
 RTQHVKVIWISFAQFELSSGKEGSLTKCRQIYEEANKTMRNCEEKEERLMLLESWRSFEFFGTASDKERV  
 DKLMPEKVKRRKRVQTDGSDAGWEEYFDYIFPEDAANQPNLKLAMAKLWKKQQQEKEDAHHHPDEDVD  
 ESES

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

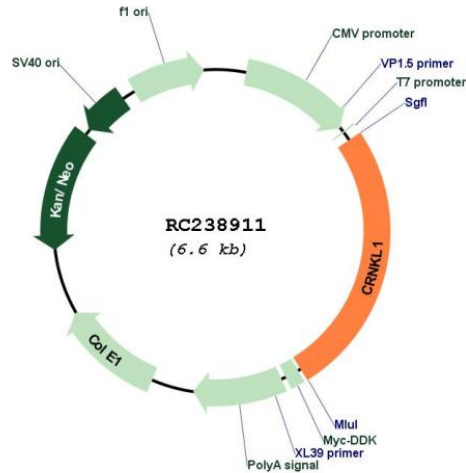
Sgfl-Mlul

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



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

**Plasmid Map:**


ACCN: NM\_001278627

ORF Size: 1692 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001278627.1</a> , <a href="#">NP_001265556.1</a>
<b>RefSeq Size:</b>	4100 bp
<b>RefSeq ORF:</b>	1695 bp
<b>Locus ID:</b>	51340
<b>UniProt ID:</b>	<a href="#">Q9BZJ0</a>
<b>Cytogenetics:</b>	20p11.23
<b>Protein Pathways:</b>	Spliceosome
<b>MW:</b>	69.1 kDa
<b>Gene Summary:</b>	The crooked neck (crn) gene of Drosophila is essential for embryogenesis and is thought to be involved in cell cycle progression and pre-mRNA splicing. A protein encoded by this human locus has been found to localize to pre-mRNA splicing complexes in the nucleus and is necessary for pre-mRNA splicing. Alternatively spliced transcript variants have been described. [provided by RefSeq, Jul 2013]