

## Product datasheet for **RG238910**

### CRNKL1 (NM\_001278626) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CRNKL1 (NM_001278626) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CRNKL1
Synonyms:	CLF; Clf1; CRN; HCRN; MSTP021; SYF3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG238910 representing NM\_001278626.  
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGAAATGAAGAATCGCCAAGTCAACCATGCTCGAAATATCTGGGACCGGGCCATAAACACGCTGCCT
CGAGTTAATCAGTCTGGTACAAGTACACGTACATGGAGGAAATGTTGGGAAACGTTGCCGGTGCCCGG
CAGGTGTTTGAGCGCTGGATGGAGTGGCAGCCTGAGGAGCAAGCCTGGCACTCCTACATCAACTTTGAG
CTGAGATACAAAGAGGTGGATCGGGCCCGACCATTTATGAGCGATTTGCTCGTGACCCCTGATGTT
AAGAAGTGGATCAAGTATGCCCGCTTTGAAGAAAAACATGCTTATTTGCCCATGCACGGAAGTGTAT
GAGAGAGCTGTGGAATCTTTGGAGATGAACATATGGATGAGCACCTTTATGTTGCCTTTGCCAAGTTT
GAAGAAAAACAGAAAGAGTTTGAAGGGTACGAGTGATTTACAAGTATGCCCTGGACAGAATTTCAAAA
CAAGATGCCCAAGAACTCTTAAAAATTATACCATCTTTGAGAAGAAGTTTGGTGATAGGCGGGGTATT
GAAGATATCATTGTGAGCAAACGGAGATCCAGTACGAAGAAGAAGTGAAGCGGAATCCACACAATTAT
GATGCATGGTTTGATTACTTGCCTTGGTAGAAAGTGACGCAGAAGCTGAAGCCGTGAGAGAAGTCTAT
GAAAGGGCCATTGCCAATGTCCACCCATTGAGGAGAAGAGGCACTGGAAGCGCTACATTTATCTTTGG
ATCAACTATGCACTCTATGAAGAATTGGAGGCAAAGGATCCTGAGAGGACAAGACAGGTGTATCAAGCC
TCTTTGGAATAATTCTCACAAAAAGTTACATTTGCCAAAATGTGGTACTGTATGCACAGTTTGAA
ATACGACAGAAGAATCTGTCATTAGCCAGAAGAGCATTGGGAAGTCCATAGGCAAATGTCCAAAGAAC
AAATTATTTAAAGTTTACATAGAATTGGAGCTACAGCTTCGAGAATTTGACAGATGCCGGAAGCTTTAT
GAAAAGTTCCTGGAATTTGGACCTGAAAATTGTACCTCATGGATTAATTCGCTGAATTAGAGACAATC
CTTGGTGATTTGACAGAGCACGGGCAATCTATGAATTAGCCATCAGTCAGCCACGTTTAGACATGCCA
GAGGTGCTTTGGAATCATATATTGATTTGAAATTTGAGCAGGAAGAAACAGAAAGAACACGAAACCTT
TACCGGGCGTTGCTTCAACGGACGCAGCATGTCAAGGTATGGATCAGCTTTGCTCAGTTTGAGTTGTCT
TCAGGAAAAGAAGGAAGTTTGAATAAATGCAGACAAATTTATGAAGAAGCTAACAAAACCATGCGAAAC
TGTGAAGAAAAGGAGAGACTTATGCTGCTGGAATCTTGGCGAAGTTTGAAGAAGAATTTGGAACA
GCTTCAGATAAGGAGAGAGTAGACAAACTCATGCCAGAGAAAGTCAAGAAGAGAAGAAAGGTCCAGACT
GATGATGGGTCTGATGCAGGCTGGGAAGAATACTTTGATTACATCTTTCCAGAAGATGCTGCCAACCA
CCTAACCTCAAACCTGCGCATGGCCAAACTGTGGAAGAAACAGCAGCAGGAAAAGGAGGATGCTGAG
CACCATCCAGATGAGGACGTCGATGAGAGTGAATCC
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAAAC
```

**Protein Sequence:**

>Peptide sequence encoded by RG238910  
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MEMKNRQVNHARNIWDRAITTLPRVNQFWYKYTYMEMLGNVAGARQVFERWMEWQPEEQAWHSYINFE
LRYKEVDRARTIYERFVLVHPDVKNWIKYARFEEKHAYFAHARKVYERAVEFFGDEHMDEHLYVAFK
EENQKEFERVRVIYKYALDRISKQDAQELFKNYTIFEKFGDRRGIEDIIVSKRRFQYEEEVKANPHNY
DAWFDYLRLVESDAEAEAVREYERAIANVPPIQEKRWKRYIYLWINYALYEELEAKDPERTRQVYQA
SLELIPHKKFTFAKMWILYAQFEIRQKNLSLARRALGTSIGKCPKNLKFVYIELELQLREFDRCKLY
EKFLFEPENCTSWIKFAELETILGDIDRARAIYELAISQPRLDMPVLWKSIDFEIEQEETERRNL
YRRLLRQTHVQVWISFAQFELSSGKEGSLTKCRQIYEEANKTMRNCEEKEERLMLLESWRSFEFFGT
ASDKERVDKLMPEKVKRRKRVQDDGSDAGWEEYFDYIFPEDAANQPNLKLLAMAKLWKKQQQEKEDA
EHHPPDEDVDESES
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPE
SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_001278626

**ORF Size:** 1692 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. [More info](#)

**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).

**RefSeq:** [NM\\_001278626.1](#), [NP\\_001265555.1](#)

**RefSeq Size:** 4190 bp

**RefSeq ORF:** 1695 bp

**Locus ID:** 51340

**UniProt ID:** [Q9BZJ0](#)

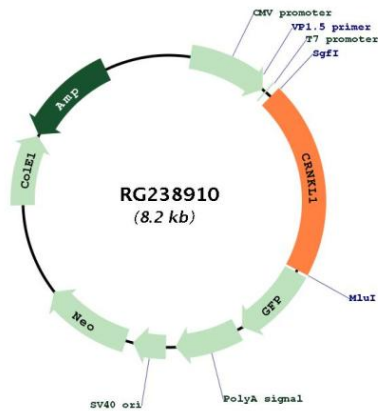
**Cytogenetics:** 20p11.23

**Protein Pathways:** Spliceosome

**MW:** 69.1 kDa

**Gene Summary:**

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]

**Product images:**


Circular map for RG238910