

Product datasheet for **RG238911**

CRNKL1 (NM_001278627) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CRNKL1 (NM_001278627) 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:

>RG238911 representing NM_001278627.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGAAATGAAGAATCGCCAAGTCAACCATGCTCGAAATATCTGGGACCGGGCCATAACAACGCTGCCT
CGAGTTAATCAGTCTGGTACAAGTACACGTACATGGAGGAAATGTTGGGAAACGTTGCCGGTGCCCGG
CAGGTGTTTGAGCGCTGGATGGAGTGGCAGCCTGAGGAGCAAGCCTGGCACTCCTACATCAACTTTGAG
CTGAGATACAAAGAGGTGGATCGGGCCCGACCATTTATGAGCGATTTGCTCGTGACCCCTGATGTT
AAGAAGTGGATCAAGTATGCCCGCTTTGAAGAAAAACATGCTTATTTGCCATGCACGGAAGTGTAT
GAGAGAGCTGTGGAATCTTTGGAGATGAACATATGGATGAGCACCTTTATGTTGCCTTTGCCAAGTTT
GAAGAAAAACAGAAAGAGTTTGAAGGGTACGAGTGATTTACAAGTATGCCCTGGACAGAATTTCAAAA
CAAGATGCCCAAGAACTCTTAAAAATTATACCATCTTTGAGAAGAAGTTTGGTATAGGCGGGGTATT
GAAGATATCATTGTGAGCAAACGGAGATCCAGTACGAAGAAGAAGTGAAGCGGAATCCACACAATTAT
GATGCATGGTTTGATTACTTGCCTTGGTAGAAAGTGACGCAGAAGCTGAAGCCGTGAGAGAAGTCTAT
GAAAGGGCCATTGCCAATGTCCACCCATTGAGGAGAAGAGGCACTGGAAGCGCTACATTTATCTTTGG
ATCAACTATGCACTCTATGAAGAATTGGAGGCAAAGGATCCTGAGAGGACAAGACAGGTGTATCAAGCC
TCTTTGGAATAATTCTCACAAAAAGTTCACATTTGCCAAAATGTGGTACTGTATGCACAGTTTGAA
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AAATATTTAAAGTTTACATAGAATTGGAGCTACAGCTTCGAGAATTTGACAGATGCCGGAAGCTTTAT
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CTTGGTGATTTGACAGAGCACGGGCAATCTATGAATTAGCCATCAGTCAGCCACGTTTAGACATGCCA
GAGGTGCTTTGGAATCATATATTGATTTTGAATTTGAGCAGGAAGAAACAGAAAGAACACGAAACCTT
TACCGCGGTTGCTTCAACGGACGCAGCATGTCAAGGTATGGATCAGCTTTGCTCAGTTTGAGTTGTCT
TCAGGAAAAGAAGGAAGTTTGAATAAATGCAGACAAATTTATGAAGAAGCTAACAAAACCATGCGAAC
TGTGAAGAAAAGGAGAGACTTATGCTGCTGGAATCTTGGCGAAGTTTGAAGAAGAATTTGGAACA
GCTTCAGATAAGGAGAGAGTAGACAAACTCATGCCAGAGAAAGTCAAGAAGAGAAGAAAGGTCCAGACT
GATGATGGGTCTGATGCAGGCTGGGAAGAATACTTTGATTACATCTTTCCAGAAGATGCTGCCAACCA
CCTAACCTCAAACCTGCCATGGCCAAACTGTGGAAGAAACAGCAGCAGGAAAAGGAGGATGCTGAG
CACCATCCAGATGAGGACGTCGATGAGAGTGAATCC
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAAAC
  
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Protein Sequence:

>Peptide sequence encoded by RG238911
 Blue=ORF Red=Cloning site Green=Tag(s)

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MEMKNRQVNHARNIWDRAITTLPRVNQFWYKYTYMEMLGNVAGARQVFERWMEWQPEEQAWHSYINFE
LRYKEVDRARTIYERFVLVHPDVKNWIKYARFEEKHAYFAHARKVYERAVEFFGDEHMDEHLVYFAKF
EENQKEFERVRVIYKYALDRISKQDAQELFKNYTIFEKFGDRRGIEDIIVSKRRFQYEEEVKANPHNY
DAWFDYLRLVESDAEAEAVREYERAIANVPPIQEKRWKRYIYLWINYALYEELEAKDPERTRQVYQA
SLELIPHKKFTFAKMWILYAQFEIRQKNLSLARRALGTSIGKCPKNLKFVYIELELQLREFDRCKLY
EKFLFEGPENCTSWIKFAELETILGDIDRARAIYELAISQPRLDMPVLWKSIDFEIEQEETERRNL
YRRLLRQTHVQVWISFAQFELSSGKEGSLTKCRQIYEEANKTMRNCEEKEERLMLLESWRSFEFFGT
ASDKERVDKLMPEKVKRRKRVQDDGSDAGWEEYFDYIFPEDAANQPNLKLLAMAKLWKKQQQEKEDA
EHPDEDVDESES
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPE
SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
  
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Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001278627

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_001278627.1](#), [NP_001265556.1](#)

RefSeq Size: 4100 bp

RefSeq ORF: 1695 bp

Locus ID: 51340

UniProt ID: [Q9BZJ0](#)

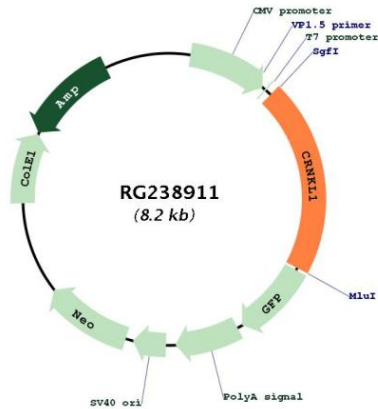
Cytogenetics: 20p11.23

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 RG238911