

Product datasheet for **RC239653**

CRNKL1 (NM_001278625) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CRNKL1 (NM_001278625) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CRNKL1
Synonyms:	CLF; Clf1; CRN; HCRN; MSTP021; SYF3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC239653 representing NM_001278625
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACGGCAACAGTGGAGAACCTAACGTTCCAGAAGGACACTTTGGGAAATGCTGTTGACAAAAACAGGC
 GCCACGGCTCGACAGAGCCACTCGTCTCGCCTGGTCATCCCAGTTCGGAGGCTGACCTGGGGATGCGC
 CCTGGACGCCCTGCACCCGAGTCTTGGCTCGCTGCTAGTCAGCACGGCGTTACCCACCTCATCCGACG
 TCCAGGACGCCGACTCCACGCGCTGCCCAAGGAGGACGCGCAGCCTGGTACCATGGAACGGTGCCG
 CCTCCGTCACGGCTCAAGCGAGAGGTCAAAGGTCACTCTGCAAGTTCGGCTTCCGGTCCGAGATCCTG
 TTTGTTTTCTGAAAGCTTTGTGGTTTCGGTGAGCTCTCAGAGCCGATTTCTAGCGTCCGTGCCGGGGACA
 GGTGTCCAGAGGTCGACTGCTGCAGACATGGCGGCTCCACCGCGCCGGGAAGCAGCGGATTCCTAAAG
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 GCAGCTGAGGAGCAAGCCTGGCACTCTACATCAACTTTGAGCTGAGATACAAAGAGGTGGATCGGGCC
 CGCACCATTTATGAGCGATTTGCTCTCGTGCACCCTGATGTTAAGAACTGGATCAAGTATGCCCGCTTTG
 AAGAAAAACATGCTTATTTTGGCCATGCACGAAAGTATGAGAGAGCTGTGAAATCTTTGGAGATGA
 ACATATGGATGAGCACCTTTATGTTGCCTTTGCCAAGTTTGAAGAAAATCAGAAAGAGTTTGAAAGGGTA
 CGAGTGATTTACAGTATGCCCTGGACAGAATTTCAAAACAAGATGCCCAAGAACTCTTTAAAAATTATA
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 AGTGACGCAGAAGCTGAAGCCGTGAGAGAAGTCTATGAAAGGGCCATTGCCAATGTCCCACCCATTCAGG
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 GGATCCTGAGAGGACAAGACAGGTGATCAAGCCTCTTTGGAACATAATCCTCACAAAAAGTTCACATTT
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 TCGAGAATTTGACAGATGCCGGAAGCTTTATGAAAAGTTCCTGGAATTTGGACCTGAAAATTGTACTCTA
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 AAGAAGCTAACAAAACCATGCGAAACTGTGAAGAAAAGGAAGAGAGACTTATGCTGCTGGAATCTTGGCC
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 AAGAAGAGAAGAAGGTCCAGACTGATGATGGTCTGATGCAGGCTGGGAAGAATACTTTGATTACATCT
 TTCCAGAAGATGCTGCCAACCAACCTAACCTCAAACCTCTGGCCATGGCCAAACTGTGGAAGAAAACAGCA
 GCAGGAAAAGGAGGATGCTGAGCACCATCCAGATGAGGACGTCGATGAGAGTGAATCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC239653 representing NM_001278625
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MTATVENLTFQKDTLGNAVDKNRRHGSTEPLVLAWSSQFRRLTWGCALDALHRSPCVAASQHGVTHLIRS
 SRTPHSTRCKEDAQP GHHGNGAASVTAQARGQRSVLQVPLPVPRSCLFSESFVVSVSSQSRFLASVPGT
 GVQRSTAADMAASTAAGKQRIPKVAKVKNKAPAEVQITAEQLLREAKERELELLPPPPQQKITDEEELND
 YKLRKRKTFEDNIRKNRTVISNWIKYAQWEEESLKEIQRARSIYERALDVDYRNITLWLKYAEMEMKNRQV
 NHARNIWDRAITTLPRVNQFWYKYTYMEEMLGNVAGARQVFERWMEWQPEEQAWHSYINFELRYKEVDRA
 RTIYERFVLVHPDVKNWIKYARFEEKHAYFAHARKVYERAVEFFGDEHMDEHLYVAFKFEENQKEFERV
 RVIYKYALDRISKQDAQELFKNYTIFEKKFGDRRGIEDIIVSKRRFQYEEEVKANPHNYDAWFDYLRRLVE
 SDAEAEAVREYERAIANVPPIQEKRWKRYIYLWINYALYEELEAKDPERTRQVYQASLELIPHKKFTF
 AKMWILYAQFEIRQKNLSLARRALGTSIGKCPKNLKFVYIELELQLREFDRCRKLKYEKLEFGPENCTS
 WIKFAELETILGDIDRARAIYELAISQPRLDMPPEVLWKSIDFEIEQEETERTRNLYRLLQRTQHVKVW
 ISFAQFELSSGKEGSLTKCRQIYEEANKTMRNCEEKEERLMLLESWRSFEEFEGTASDKERVDKLMPEKV
 KRRRQVQTDGSDAGWEEYFDYIFPEDAANQPNLKLLAMAKLWKKQQQEKEDAHHHPDEDVDESES

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:


ACCN: NM_001278625

ORF Size: 2508 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).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

RefSeq: [NM_001278625.1](#), [NP_001265554.1](#)

RefSeq Size: 4377 bp

RefSeq ORF: 2511 bp

Locus ID: 51340

UniProt ID: [Q9BZJ0](#)

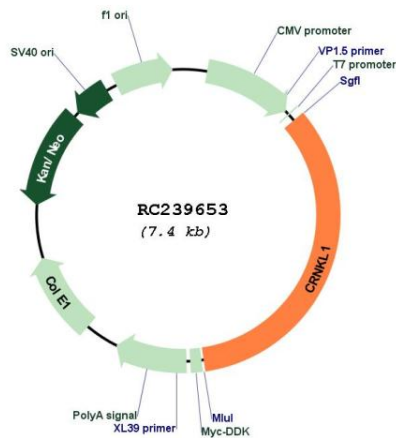
Cytogenetics: 20p11.23

Protein Pathways: Spliceosome

MW: 99.6 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 RC239653