OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RG220334

CRNKL1 (NM_016652) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CRNKL1 (NM_016652) 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:

>RG220334 representing NM_016652
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACGGCAACAGTGGAGAACCTAACGTTCCAGAAGGACACTTTGGGAAATGCTGTTGACAAAAACACAT
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ACTCCTGGCCATGGCCAAACTGTGGAAGAAACAGCAGCAGGAAAAGGAGGATGCTGAGCACCATCCAGAT
GAGGACGTCGATGAGAGTGAATCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG220334 representing NM_016652
Red=Cloning site Green=Tags(s)

MTATVENLTFQKDTLGNAVDKNTSRLELRSYSLARRHGSTEPLVLAWSSQFRRLTWGCALDALHRSPCVA
ASQHGVTHLIRSSRTPHSTRCRKEDAQPGHHGNGAASVTAQARGQRSVLQVPLPVPRSCLFSESFVVSVS
SQSRFLASVPGTGVQRSTAADMAASTAAGKQRIPKVAKVKNKAPAEVQITAEQLLREAKERELELLPPPP
QQKITDEEELNDYKLRKRKTFEDNIRKNRTVISNWIKYAQWEESLKEIQRARSIYERALDVDYRNITLWL
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SLELIPHKKFTFAKMWILYAQFEIRQKNLSLARRALGTSIGKCPKNKLFKVYIELELQLREFDRCRKLYE
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KERVDKLMPEKVKKRRKVQTDDGSDAGWEEYFDYIFPEDAANQPNLKLLAMAKLWKKQQQEKEDAEHHPD
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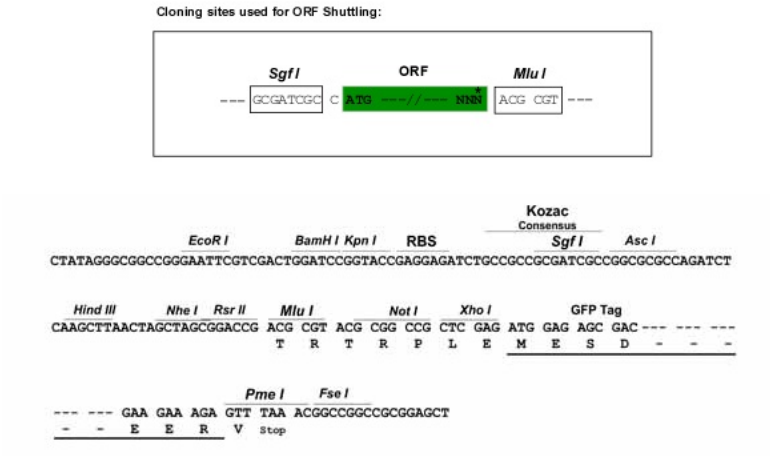
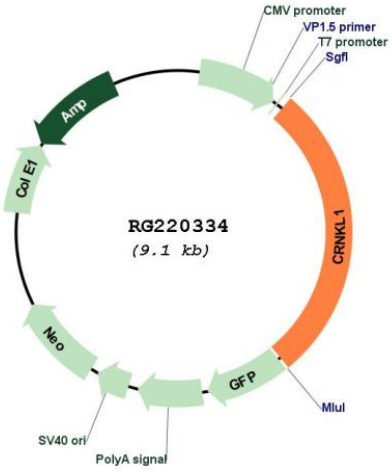
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_016652
ORF Size:	2544 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_016652.3, NP_057736.3
RefSeq Size:	4406 bp
RefSeq ORF:	2547 bp
Locus ID:	51340
UniProt ID:	Q9BZJ0
Cytogenetics:	20p11.23
Protein Pathways:	Spliceosome
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]