

Product datasheet for **RC217619**

RALYL (NM_001100391) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	RALYL
Synonyms:	HNRPCL3
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC217619 representing NM_001100391
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGAGTAAACGACGCAGATTAAGCAAGGAGAGCCAATCATGACTGGCAAAACACAGACCAGCAACGTCA
CCAATAAGAATGACCCCAAGTCCATCAACTCCCGTGTTTCATCGGCAATCTAAATACGGCAATTGTCAA
GAAAGTTGACATTGAAGCCATTTTTCAAAGTATGGAAAAATAGTTGGATGTTCCGTTACAAAGGTTAT
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CCGGCCAACCACTTGATATCAACATGGCAGGAGAGCCCAAACCATACAGACCAAAACCTGGAAACAAGAG
GCCCTTTCTGCACTTTACAGACTTGAATCAAAGGAACCTTCTGTCTGTTGGCGGTTATGTCTTTGAC
TATGATTACTACAGAGATGATTTCTACAATCGGTTATTTGATTACCACGGCGTGTGCCTCCACCTCCCC
GTGCAGTAATTCGCTGAAGCGTCCAGAGTGGCAGTCACAACGACTCGCAGGGGAAAGGAGTCTTTTC
CATGAAAGGTGGATCGAGATCTACTGCCAGTGGGTCAACAGGTTCTAAATTGAAATCAGATGAGTTACAG
ACCATCAAGAAAGAATTAACCCAGATCAAACTAAAATTGACTCCTTGCTAGGGCGCCTGGAGAAGATTG
AGAAACAGCAGAAGGCGGAGGCAGAGCTCAGAAGAAGCAATTGGAAGAGAGTCTAGTGCTGATCCAAGA
GGAATGTGTGCAGAGATTGCAGATCACTCTACAGAGGAGCCTGCTGAAGGAGGGCCAGATGCCGATGGA
GAAGAGATGACAGATGGGATAGAGGAGGACTTCGATGAAGATGGGGTCATGAGCTGTTTCTACAGATAA
AG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>RC217619 representing NM_001100391

Red=Cloning site Green=Tags(s)

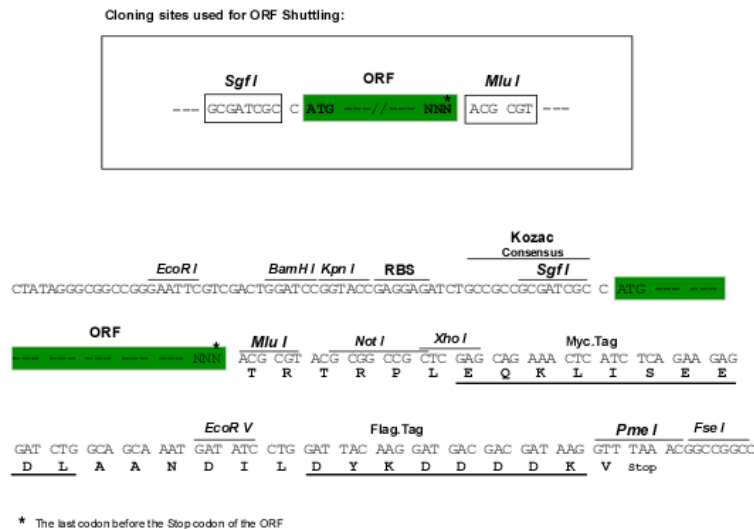
MSKRRRLKQGEPIMTGKTQTSNVTNKNDPKSINSRVFIGNLNTAIVKKVDIEAIFSKYGKIVGCSVHKGY
AFVQYMSERHARAAGAVAGENARVIAGQPLDINMAGEPKPYRPGNKRPLSALYRLESKEPFLSVGGYVFD
YDYYRDDFYNRLFYDHGRVPPPPRAVIPLKRPRVAVTTTRRGKGVFSMKGGSSTASGSTGSKLSDELQ
TIKKELTQIKTKIDSLGRLEKIEKQQAEEAQKKQLEESLVLIEECVSEIADHSTEEPAEGGPADAG
EEMTDGIEEDFDEDGGHELFLQIK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_001100391

ORF Size:

912 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001100391.2](#)

RefSeq Size: 1995 bp

RefSeq ORF: 915 bp

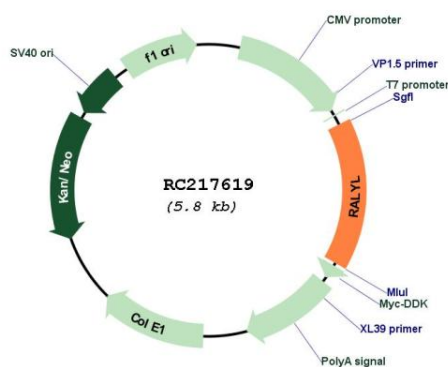
Locus ID: 138046

UniProt ID: [Q86SE5](#)

Cytogenetics: 8q21.2

MW: 33.9 kDa

Product images:



Circular map for RC217619