

Product datasheet for **RG210723**

RALY (NM_016732) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RALY (NM_016732) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RALY
Synonyms:	HNRPCL2; P542
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG210723 representing NM_016732 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCTGAAGCTTCAGGCAAGCAATGTAACCAACAAGAATGACCCCAAGTCCATCAACTCTCGAGTCT
TCATTGGAACCTCAACACAGCTCTGGTGAAGAAATCAGATGTGGAGACCATCTTCTCTAAGTATGGCCG
TGTGGCCGGCTGTTCTGTGCACAAGGGCTATGCCTTTGTTCACTACTCCAATGAGCGCCATGCCCGGCA
GCTGTGCTGGGAGAGAATGGCGGGTGTGGCCGGCAGACCCTGGACATCAACATGGCTGGAGAGCCTA
AGCCTGACAGACCAAGGGGCTAAAGAGAGCAGCATCTGCCATATACAGTGGCTACATCTTTGACTATGA
TTACTACCGGGACGACTTCTACGACAGGCTCTTCGACTACCGGGCCGTCTGTGCGCCGTGCCAGTGCC
AGGGCGGTCCCTGTGAAGCGACCCCGGGTACAGTCCCTTTGGTCCGGCGTGTCAAACTAACGTACCTG
TCAAGCTCTTTGCCCGCTCCACAGCTGTACCACCAGCTCAGCCAAGATCAAGTTAAAGAGCAGTGAGCT
GCAGGCCATCAAGACGGAGCTGACACAGATCAAGTCCAATATCGATGCCCTGCTGAGCCGCTTGGAGCAG
ATCGCTGCGGAGCAAAAGGCAAATCCAGATGGCAAGAAGAAGGGTGTGGAGGTGGCGCCAGCGGGCGG
GCGGCGGTGGTGGTGGCAGCGGTGGCGGTGGCAGTGGTGGTGGCGGTGGCGGTGGCAGCAGCCGGCCACC
AGCCCCCAAGAGAACAACAACTTCTGAGCAGGCTGCCCCAGGGGAAGCACGGACCCGAGACGACGGC
GATGAGGAAGGGCTCTGACACACAGCGAGGAAGAGCTGGAACACAGCCAGGACACAGACGCGGATGATG
GGCCTTGACG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG210723 representing NM_016732
 Red=Cloning site Green=Tags(s)

MSLKLQASNVTNKNDPKSINSRVFIGNLNTALVKKSDVETIFSKYGRVAGCSVHKGYAFVQYSNERHARA
 AVLGENGRVLAGQTLDINMAGEPKPDRPKGLKRAASAIYSGYIFDYRDFYDRLFDYRGRSPVPVP
 RAVPVKRPRVTVPLVRRVKTNPVKLFARSTAVTTSSAKIKLKSELQAIKTELQIKSNIDALLSRLEQ
 IAAEQKANPDGKKKGDGGGASGGGGGGGGSSGGGGGGSSRPPAPQENTTSEAGLPQGEARTRDDG
 DEEGLLTHSEEELEHSQDTDADDGALQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_016732

ORF Size: 921 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_016732.1](#), [NP_057951.1](#)

RefSeq Size: 1589 bp

RefSeq ORF: 921 bp

Locus ID: 22913

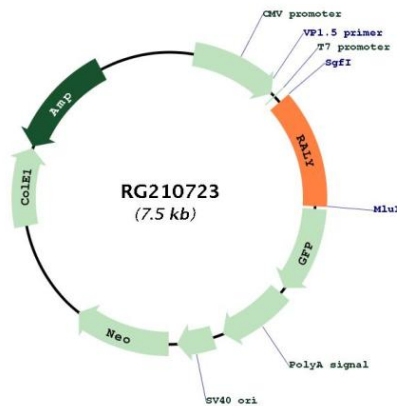
UniProt ID: [Q9UKM9](#)

Cytogenetics: 20q11.22

Domains: RRM

Gene Summary: This gene encodes a member of the heterogeneous nuclear ribonucleoprotein (hnRNP) gene family. This protein may play a role in pre-mRNA splicing and in embryonic development. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2011]

Product images:



Circular map for RG210723