

Product datasheet for **RG214742**

NHLRC3 (NM_001017370) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Tag: TurboGFP
Symbol: NHLRC3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG214742 representing NM_001017370
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGGCGAGATTCTGGGTCTGCGTAGCCGGTCTGGCTTCTTTCTTGCATTTTGGTTTTGCATTTCGCGTT
TTTGTGGCTCTCCAGTTTGTAGGAACCTTACTTTGCAGTTTCTGGAGAAGTGAAGAAATCTTTACCG
GCTGGATGTGGTTGGCCTAAGCACCCAGAATATTTACCGGAACAACATTTGTGTTGCAGTTGACTCC
CTCAATGGATTGGTTTACATAGGTCAAAGAGGGGATAACATCCCAAAGATATTAGTGTTCACAGAGGATG
GATATTTCTACGAGCCTGGAATTATACAGTTGACACACCTCATGGTATATTGCAGCCAGTACTCTATA
TGAACAATCCGTCTGGATCAGGATGTAGGAAGTATTTCATGATCCTTTGGCTGCATGGAGAAAATGGG
ACAGGGCCTGCTAAGTTCAACATACCTCACAGTGTACACTTGATTACAGTGGTGGGTGTGGTTGCTG
ACCGAGGAAATAAAGAATCCAAGTATTTGATAAAGACACTGGGGAGTGGTTAGGAGCATGGAATAATTG
TTTCACAGAAGAGGACCTTCTTCAGTCAGGTTTACTCCTGATGGGAAGTACTGATTGTGGCCAGCTG
AATCTTAGCAGGCTCTCAGTCGTAGCAGCACCCCAAGTGGGAAGCATTGGGGAGTGTCTGTGATCAGCA
CAATCCAAGTACGAGATCAAGTTTGGCACATCTCCTAGAAGTCGACAGAAAGACTGGAGCAGTCTATGT
AGCAGAAATTGGAGCAAAACAAGTACAAAATATGTCCCTTTGAATAGCTATGTTCTTCATTTGTTTCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG214742 representing NM_001017370
Red=Cloning site Green=Tags(s)

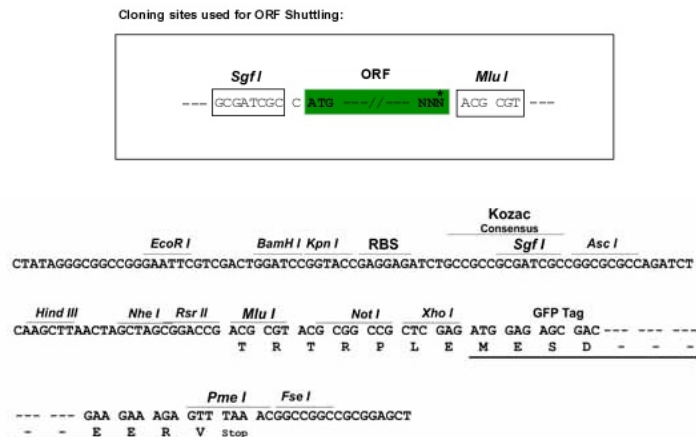
MARFWVCVAGAFFLAFLVLHSRFGSPVLRNFTFAVSWRTEKILYRLDVGWPKHPEYFTGTTFCVAVDS
LNLVYIGQRGNIPKILVFTEGDYFLRAWNYTVDTPHGIFAASTLYEQSVWITDVGSDFMILWLHGENG
TGPAKFNIPHSVTLDSAGRVWVADRGNKRIQVFDKDTGEWLGAWNNCFTEGPSSVRFTPDGKYLIVAQL
NLSRLSVVAAPPVGSIGESVISTIQLADQVLPHELVDRKTGAVYVAEIGAKQVQKYVPLNSYVPSFGS

TRTRPLE - GFP Tag - V



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001017370

ORF Size: 840 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_001017370.2](#), [NP_001017370.1](#)

RefSeq Size: 3371 bp

RefSeq ORF: 843 bp

Locus ID: 387921

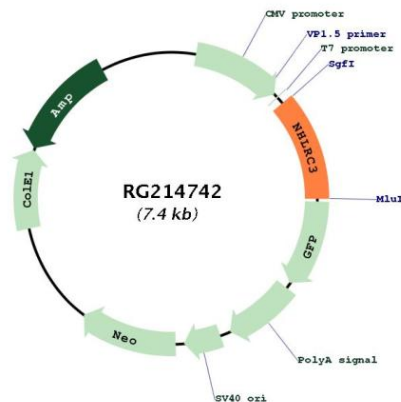
UniProt ID: [Q5JS37](#)

Cytogenetics: 13q13.3

Protein Families: Transmembrane

Gene Summary: This gene encodes a protein containing NCL-1, HT2A and Lin-41 (NHL) family repeats. Mammalian NHL-repeat containing proteins may be involved in a variety of enzymatic processes, including protein modification through ubiquitination. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Aug 2012]

Product images:



Circular map for RG214742