

Product datasheet for **RG206732**

RNF148 (NM_198085) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	RNF148
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PSI00010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG206732 representing NM_198085
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**C

ATGAGCTTCCTTAGAATTACCCCTTCGACGCATAGTTCTGTTTCATCTGGACTTTTGAGGCTTAGTATCT
TTCTACTACTTAGCTTTCTGACTCAAACGGAAAAGCCATTTGGACAGCTCACCTGAATATAACATTTCA
GGTTGGAAATGAGATCACATCGGAATTAGGAGAGAGTGGAGTGTTTCGGGAATCATTCTCCTCTGGAAAGG
GTGTCTGGTGTGGTGGCACTTCCTGAAGGATGGAATCAGAATGCCTGTCTCCTTTGACCAATTTTCAGCA
GGCCCAAACAGGCAGACTCATGGCTGGCCCTCATCGAACGTGGAGGCTGTACTTTTACACATAAAATCAA
CGTGGCAGCAGAGAAGGGAGCAAAATGGGGTGATCATCTACAATATCAAGGTACGGGCAGTAAAGTATTT
CCCATGTCTCACCAGGGGACGGAAATATAGTCGCGGTGATGATAAGCAACCTGAAAGGCATGGAAATTT
TGCACTCGATTAGAAAGGAGTCTATGTGACAGTCATCATTGAAGTGGGGAGAATGCACATGCAGTGGGT
GAGCCATTACATCATGTATCTATTTACCTTCCTGGCTGCCACAATTGCCTACTTTTACTTAGATTGCGTC
TGGAGACTTACACCTAGAGTGCCCAATTTTACCAGGAGGCGAAGTCAAATAAGACAGATGTGAAGA
AAGCTATTGACAGCTTCAACTGCGAGTTCTCAAAGAAGGGGATGAGGAATTAGACCTAAATGAAGACAA
CTGTGTTGTTTGTCTTTGACACATACAAACCCCAAGATGTAGTACGCATTTTAACTTGCAAACATTTTTC
CATAAGGCATGCATTGACCCCTGGCTTTTAGCCCATAGGACATGTCCCATGTGCAAGTGTGACATCCTGA
AACT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG206732 representing NM_198085
Red=Cloning site Green=Tags(s)

MSFLRITPSTHSSVSSGLLRSLIFLLLSFPDSNGKAIWTAHLNITFQVGNEITSELGESGVFGNHSPLER
VSGVVALPEGWNQACHPLTNFSRPKQADSWLALIERGGCTFTHKINVAEKGANGVYIYNYQGTGSKVF
PMSHQGTENIVAVMISNLKGMEILHSIQKGVYVTVIIEVGRMHMQWVSHYIMYLF TFLAATIAFYLDVCV
WRLTPRPVNSFTRRRSQIKTDVKKAIQDLQLRVLKEGDELDLNEDNCVVCFTYKPDVVRILTCKHFF
HKACIDPWLLAHRTPMCKCDILKT

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



CTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCCGCCGATCGCCGCCGCGCAGATCT

EcoRI BamHI KpnI RBS Kozac Consensus SgfI AscI

CAAGCTTAAGTAGCTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC --- ---

HindIII NheI RsrII MluI NotI XhoI GFP Tag

T R T R P L E M E S D - - -

--- GAA GAA AGA GTT TAA ACGGCCGCCGCGGAGCT

- - E E R V Stop

ACCN: NM_198085

ORF Size: 915 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_198085.2

RefSeq Size: 1328 bp

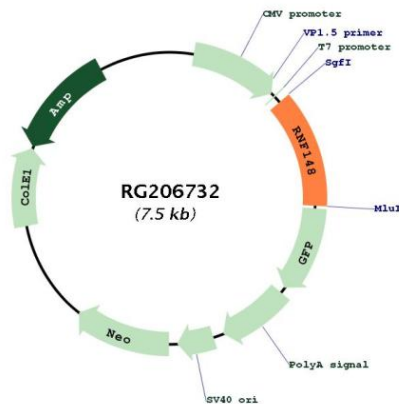
RefSeq ORF: 918 bp

Locus ID: 378925

UniProt ID: Q8N7C7

Cytogenetics: 7q31.32

Product images:



Circular map for RG206732