

Product datasheet for RC214151

ZNF638 (NM_014497) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | ZNF638 (NM_014497) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | ZNF638 |
| Synonyms: | NP220; ZFML; Zfp638 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >RC214151 representing NM_014497 Red=Cloning site Blue=ORF Green=Tags(s) |

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GCC**CGATCGCC**

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CCCAGTCCTAGGCGTTCTAGAAGATCAAGCTCAAGTCACAGATCCGTCGGTCTCGAAGCCCAATGCATT
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Protein Sequence:

>RC214151 representing NM_014497

Red=Cloning site Green=Tags(s)

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 LDEVTDEEDSLADFNNLKEELNFVTVDEVGEEEDGDNDLKVELAQSKNDHPTDKKGNRKKRAVDTKKTK
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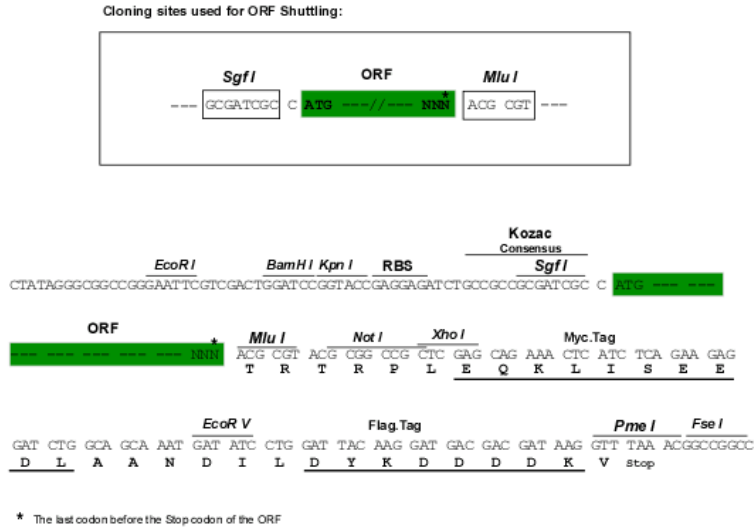
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8110_d06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_014497

ORF Size: 5934 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_014497.5](#)

RefSeq Size: 6526 bp

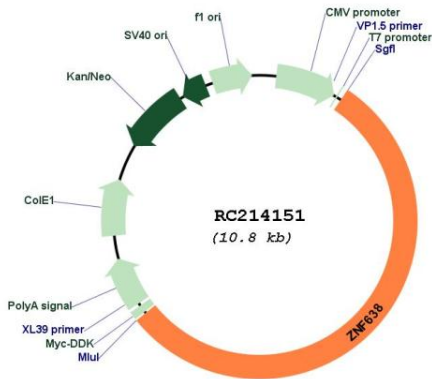
RefSeq ORF: 5937 bp

Locus ID: 27332

UniProt ID: [Q14966](#)
Cytogenetics: 2p13.3-p13.2
Domains: RRM, ZnF_U1, zf-C2H2
MW: 220.6 kDa

Gene Summary: The protein encoded by this gene is a nucleoplasmic protein. It binds cytidine-rich sequences in double-stranded DNA. This protein has three types of domains: MH1, MH2 (repeated three times) and MH3. It is associated with packaging, transferring, or processing transcripts. Multiple alternatively spliced transcript variants have been found for this gene, but the biological validity of some variants has not been determined. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC214151