

Product datasheet for **RC230751**

RIF1 (NM_001177665) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RIF1 (NM_001177665) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: RIF1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC230751 representing NM_001177665
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGACGGCCAGGGGTGAGAGCCCCCTCGCGCCGCTGTTGGAGACTTTGGAAGACCCTTTCGCTCCCATG
 GAGGGCAGACTGACGCTTACCTGACTCTGACCAGTCGTATGACTGGAGAAGAAGAAAAGAAGTAATTAC
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC230751 representing NM_001177665
 Red=Cloning site Green=Tags(s)

MTARGQSPLAPLLETLEDPSASHGGQTDAYLTLTSRMTGEEGKEVITEIEKKLPRLYKVLKTHISSQNSE
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 IDSLEILFNKGETHSAVVDFEALNVIVRLIEQAPIQMGEAEVRWAKLVIPLVVHSAQKVHLRGATALEM
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 TASEIKTLPIRSPKVSNVKALRIYHEQQVKTRGLEEIPVFDISEKTVNGIENKLSLSPDEERLVSDIIDP
 VALEIPLSKNLLAQISALALQLDSEDLHNYSGSQLFEMHEKLSMANSVIKNLQSRWRSPSHENSI

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

ORF Size:	7338 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:	<ol style="list-style-type: none">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_001177665.2
RefSeq ORF:	7341 bp
Locus ID:	55183
UniProt ID:	Q5UIP0
Cytogenetics:	2q23.3
MW:	272.1 kDa
Gene Summary:	This gene encodes a protein that shares homology with the yeast telomere binding protein, Rap1 interacting factor 1. This protein localizes to aberrant telomeres may be involved in DNA repair. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Apr 2010]