

Product datasheet for RG230750

RIF1 (NM_001177663) Human Tagged ORF Clone

Product data:

OriGene Technologies, Inc.

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Product Type:	Expression Plasmids
Product Name:	RIF1 (NM_001177663) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RIF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
Restriction Sites:	Sgfl-Mlul
Cloning Scheme:	Cloning sites used for ORF Shuttling:

Sgfi ORF Miul

 Kozac
 Consensus

 EcoR I
 BamH I Kpn I
 RBS
 Sgf I
 Asc I

 CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGAGGAGAATCTGCCGCCGCGGCGCCGCGACCGCGCCGCGACGCCCGGATCGCCGCGCGCCGCCAGATCT
 Sgf I
 Asc I

HIND III Nhe I RSr II MIU I Not I Xho I GFP Tag CAAGCTTAACTAGCGGACCG ACG CGT ACG CGG CCG CCC GAG ATG GAG AGC GAC --- ---T R T R P L E M E S D - - -

 Pmel
 Fsel

 --- GAA
 GAA
 AGA
 GTT
 TAA
 ACGGCCGGCCGGCGGGAGCT

 E
 E
 R
 V
 stop

NM_001177663

7338 bp

ACCN: ORF Size:

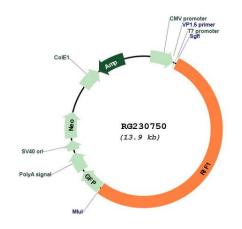
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Sigene RIF1 (NM_001177663) Human Tagged ORF Clone – RG230750	
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <u>custsupport@origene.com</u> or by calling 301.340.3188 option 3 for pricing and delivery.
	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. <u>More info</u>
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 Metho	 d: 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:	<u>NM 001177663.1, NP 001171134.1</u>
RefSeq Size:	9777 bp
RefSeq ORF:	7341 bp
Locus ID:	55183
UniProt ID:	Q5UIP0
Cytogenetics:	2q23.3
Gene Summary:	This gene encodes a protein that shares homology with the yeast teleomere 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]

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Product images:



Circular map for RG230750

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