

Product datasheet for **RG240264**

REV3L (NM_001286431) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	REV3L (NM_001286431) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	REV3L
Synonyms:	POLZ; REV3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG240264 representing NM_001286431. Blue=ORF Red=Cloning site Green=Tag(s)

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Protein Sequence:

>Peptide sequence encoded by RG240264
 Blue=ORF Red=Cloning site Green=Tag(s)

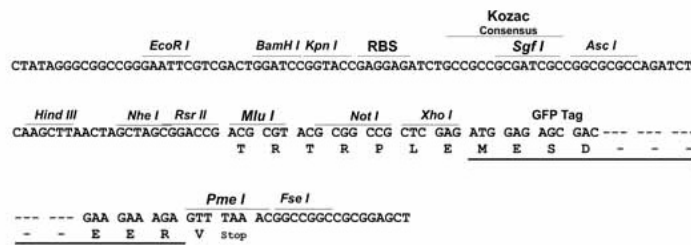
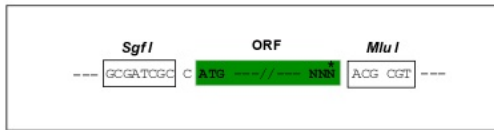
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Restriction Sites:
 Cloning Scheme:

SgfI-MluI

Cloning sites used for ORF Shuttling:



ACCN: NM_001286431

ORF Size: 9156 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).

RefSeq: [NM_001286431.2](#)

RefSeq Size: 11089 bp

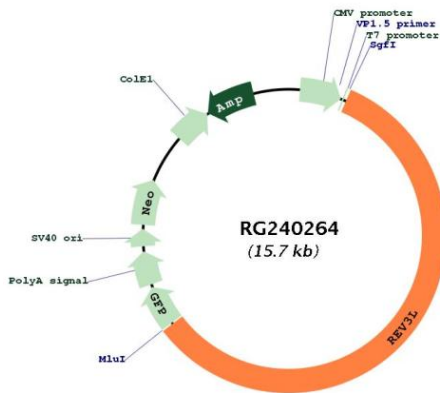
RefSeq ORF: 9159 bp

Locus ID: 5980

UniProt ID: [O60673](#)

Cytogenetics: 6q21
Protein Families: Druggable Genome
Protein Pathways: Metabolic pathways
MW: 344.6 kDa
Gene Summary: The protein encoded by this gene represents the catalytic subunit of DNA polymerase zeta, which functions in translesion DNA synthesis. The encoded protein can be found in mitochondria, where it protects DNA from damage. Defects in this gene are a cause of Mobius syndrome. [provided by RefSeq, Jan 2017]

Product images:



Circular map for RG240264