

Product datasheet for **SC338158**

REV3L (NM_001286431) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	REV3L (NM_001286431) Human Untagged Clone
Tag:	Tag Free
Symbol:	REV3L
Synonyms:	POLZ; REV3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001286431, the custom clone sequence may differ by one or more nucleotides

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ATGGCATTTCAGTATCGACAGAGCACTTAATGTGGCTTTAGGCAATCCATCTTCCACTGCTCAGCATGTGT  
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GCCTGTGTGATGACCTAACTCAGCATGGCATCTGTAGTAAATGTCGGAGCCAACCTCAGCATGTTGC
AGTCATCCTCAACCAAGAAATCCGGGAGTTGGAACGTCAACAGGAGCAACTTGTAAGATATGCAAGAAC
TGTACAGGTTGCTTTGATCGACACATCCCATGTGTTTCTCTGAACTGCCAGTACTTTTCAAACCTCCC
GAGTAAATAGAGAATTGTCCAAGGCACCATATCTCCGGCAGTTATTAGACCAGTTTAA
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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001286431
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<u>NM_001286431.1</u> , <u>NP_001273360.1</u>
RefSeq Size:	11089 bp
RefSeq ORF:	9159 bp
Locus ID:	5980
UniProt ID:	<u>O60673</u>
Cytogenetics:	6q21
Protein Families:	Druggable Genome
Protein Pathways:	Metabolic pathways
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) differs in its 5' UTR and initiates translation at a downstream in-frame start codon, compared to variant 1. The encoded isoform (b) is shorter at the N-terminus, compared to isoform a. Both variants 2 and 3 encode isoform b.</p>