

Product datasheet for **SC318551**

RECQ4 (RECQL4) (NM_004260) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RECQ4 (RECQL4) (NM_004260) Human Untagged Clone
Tag:	Tag Free
Symbol:	RECQL4
Synonyms:	RECQ4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC318551 representing NM_004260. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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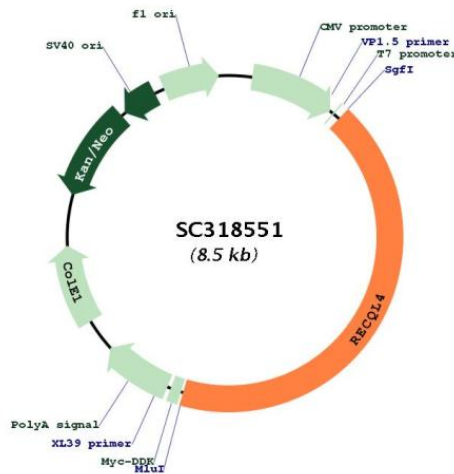


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Restriction Sites:

Sgfl-Mlul

Plasmid Map:


ACCN: NM_004260

Insert Size: 3627 bp

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_004260.3](#)

RefSeq Size: 3840 bp

RefSeq ORF: 3627 bp

Locus ID: 9401

UniProt ID: [O94761](#)

Cytogenetics: 8q24.3

Protein Families: Druggable Genome, Stem cell - Pluripotency

MW: 133.1 kDa

Gene Summary: The protein encoded by this gene is a DNA helicase that belongs to the RecQ helicase family. DNA helicases unwind double-stranded DNA into single-stranded DNAs and may modulate chromosome segregation. This gene is predominantly expressed in thymus and testis. Mutations in this gene are associated with Rothmund-Thomson, RAPADILINO and Baller-Gerold syndromes. [provided by RefSeq, Jan 2010]