Product datasheet for RR214401L3V

Recql5 (NM_001105853) Rat Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Recql5 (NM_001105853) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Recql5
Synonyms:	RecQ5
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001105853
ORF Size:	2919 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR214401).
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.
RefSeq:	NM_001105853.1, NP_001099323.1
RefSeq Size:	3905 bp
RefSeq ORF:	2922 bp
Locus ID:	287834
UniProt ID:	D4ACP5
Cytogenetics:	10q32.1

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Gene Summary: DNA helicase that plays an important role in DNA replication, transcription and repair. Inhibits elongation of stalled transcripts at DNA damage sites by binding to the RNA polymerase II subunit POLR2A and blocking the TCEA1 binding site. Required for mitotic chromosome separation after cross-over events and cell cycle progress. Required for efficient DNA repair, including repair of inter-strand cross-links. Stimulates DNA decatenation mediated by TOP2A. Prevents sister chromatid exchange and homologous recombination (By similarity).[UniProtKB/Swiss-Prot Function]