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Product datasheet for RC202950L4V

WHIP (WRNIP1) (NM_130395) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	WHIP (WRNIP1) (NM_130395) Human Tagged ORF Clone Lentiviral Particle
Symbol:	WHIP
Synonyms:	bA420G6.2; CFAP93; FAP93; WHIP
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_130395
ORF Size:	1920 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC202950).`
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_130395.1
RefSeq Size:	2592 bp
RefSeq ORF:	1923 bp
Locus ID:	56897
UniProt ID:	Q96S55
Cytogenetics:	6p25.2
Domains:	AAA, AAA, ZnF_Rad18
MW:	69.3 kDa

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Gene Summary: Werner's syndrome is a rare autosomal recessive disorder characterized by accelerated aging that is caused by defects in the Werner syndrome ATP-dependent helicase gene (WRN). The protein encoded by this gene interacts with the exonuclease-containing N-terminal portion of the Werner protein. This protein has a ubiquitin-binding zinc-finger domain in the N-terminus, an ATPase domain, and two leucine zipper motifs in the C-terminus. It has sequence similarity to replication factor C family proteins and is conserved from E. coli to human. This protein likely accumulates at sites of DNA damage by interacting with polyubiquinated proteins and also binds to DNA polymerase delta and increases the initiation frequency of DNA polymerase delta-mediated DNA synthesis. This protein also interacts with nucleoporins at nuclear pore complexes. Two transcript variants encoding different isoforms have been isolated for this gene. [provided by RefSeq, Jul 2012]