

## Product datasheet for **RC224837L1V**

### ATR (NM\_001184) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	ATR (NM_001184) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ATR
Synonyms:	FCTCS; FRP1; MEC1; SCKL; SCKL1
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_001184
ORF Size:	7926 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC224837).
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. <a href="#">More info</a>
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:	<a href="#">NM_001184.2</a>
RefSeq Size:	8265 bp
RefSeq ORF:	7935 bp
Locus ID:	545
UniProt ID:	<a href="#">Q13535</a>
Cytogenetics:	3q23
Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways:	Cell cycle, p53 signaling pathway



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**MW:** 301.2 kDa

**Gene Summary:** The protein encoded by this gene is a serine/threonine kinase and DNA damage sensor, activating cell cycle checkpoint signaling upon DNA stress. The encoded protein can phosphorylate and activate several proteins involved in the inhibition of DNA replication and mitosis, and can promote DNA repair, recombination, and apoptosis. This protein is also important for fragile site stability and centrosome duplication. Defects in this gene are a cause of Seckel syndrome 1. [provided by RefSeq, Aug 2017]