

Product datasheet for **RC219862L4V**

C9orf84 (SHOC1) (NM_173521) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	C9orf84 (SHOC1) (NM_173521) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SHOC1
Synonyms:	C9orf84; MZIP2; ZIP2; ZIP2H
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_173521
ORF Size:	4524 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC219862).
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_173521.2 , NP_775792.2
RefSeq Size:	5269 bp
RefSeq ORF:	4335 bp
Locus ID:	158401
Cytogenetics:	9q31.3
MW:	165 kDa



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Gene Summary:

ATPase required during meiosis for the formation of crossover recombination intermediates (By similarity). Binds DNA: preferentially binds to single-stranded DNA and DNA branched structures (PubMed:29742103). Does not show nuclease activity in vitro, but shows ATPase activity, which is stimulated by the presence of single-stranded DNA (PubMed:29742103). [UniProtKB/Swiss-Prot Function]