OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC214682L2V

p95 NBS1 (NBN) (NM_002485) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	p95 NBS1 (NBN) (NM_002485) Human Tagged ORF Clone Lentiviral Particle
Symbol:	p95 NBS1
Synonyms:	AT-V1; AT-V2; ATV; NBS; NBS1; P95
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_002485
ORF Size:	2262 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC214682).
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_002485.4
RefSeq Size:	4639 bp
RefSeq ORF:	2265 bp
Locus ID:	4683
UniProt ID:	O60934
Cytogenetics:	8q21.3
Domains:	FHA
Protein Families:	Druggable Genome

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Protein Pathways: Homologous recombination

MW: 84.8 kDa

Gene Summary: Mutations in this gene are associated with Nijmegen breakage syndrome, an autosomal recessive chromosomal instability syndrome characterized by microcephaly, growth retardation, immunodeficiency, and cancer predisposition. The encoded protein is a member of the MRE11/RAD50 double-strand break repair complex which consists of 5 proteins. This gene product is thought to be involved in DNA double-strand break repair and DNA damage-induced checkpoint activation. [provided by RefSeq, Jul 2008]