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Product datasheet for RC216075L2V

BLM (NM_000057) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	BLM (NM_000057) Human Tagged ORF Clone Lentiviral Particle
Symbol:	BLM
Synonyms:	BS; MGRISCE1; RECQ2; RECQL2; RECQL3
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_000057
ORF Size:	4251 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC216075).`
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_000057.1
RefSeq Size:	4437 bp
RefSeq ORF:	4254 bp
Locus ID:	641
UniProt ID:	P54132
Cytogenetics:	15q26.1
Protein Families:	Druggable Genome, Stem cell - Pluripotency
Protein Pathways:	Homologous recombination

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MW: 158.8 kDa

Gene Summary: The Bloom syndrome is an autosomal recessive disorder characterized by growth deficiency, microcephaly and immunodeficiency among others. It is caused by homozygous or compound heterozygous mutation in the gene encoding DNA helicase RecQ protein on chromosome 15q26. This Bloom-associated helicase unwinds a variety of DNA substrates including Holliday junction, and is involved in several pathways contributing to the maintenance of genome stability. Identification of pathogenic Bloom variants is required for heterozygote testing in at-risk families. [provided by RefSeq, May 2020]