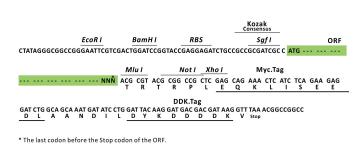


# Product datasheet for RC204918L1

## LGALS3BP (NM\_005567) Human Tagged Lenti ORF Clone

### **Product data:**

Product Type:	Expression Plasmids
Product Name:	LGALS3BP (NM_005567) Human Tagged Lenti ORF Clone
Tag:	Myc-DDK
Symbol:	LGALS3BP
Synonyms:	90K; BTBD17B; CyCAP; gp90; M2BP; MAC-2-BP; TANGO10B
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC204918).
<b>Restriction Sites:</b>	Sgfl-Mlul
Cloning Scheme:	
	Cloning sites used for ORF Shuttling:
	Sgf I ORF MIU I GCG ATC GC C <mark>ATG // NNŇ</mark> ACG CGT



ACCN: ORF Size: NM\_005567 1755 bp

#### OriGene Technologies, Inc.

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<b>GRIGENE</b> LGALS3BP (NM_005567) Human Tagged Lenti ORF Clone – RC204918L1	
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <u>custsupport@origene.com</u> or by calling 301.340.3188 option 3 for pricing and delivery.
	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. <u>More info</u>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Metho	<ul> <li>centrifuge at 5,000xg for 5min.</li> <li>Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>Close the tube and incubate for 10 minutes at room temperature.</li> <li>Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li> </ul>
RefSeq:	<u>NM 005567.2, NP 005558.1</u>
RefSeq Size:	2277 bp
RefSeq ORF:	1758 bp
Locus ID:	3959
UniProt ID:	<u>Q08380</u>
Cytogenetics:	17q25.3
Domains:	SR
Protein Families:	Druggable Genome, Secreted Protein
MW:	65.3 kDa

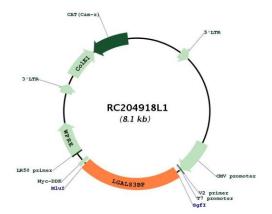
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### GRIGENE LGALS3BP (NM\_005567) Human Tagged Lenti ORF Clone – RC204918L1

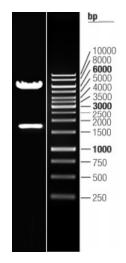
#### Gene Summary:

The galectins are a family of beta-galactoside-binding proteins implicated in modulating cellcell and cell-matrix interactions. LGALS3BP has been found elevated in the serum of patients with cancer and in those infected by the human immunodeficiency virus (HIV). It appears to be implicated in immune response associated with natural killer (NK) and lymphokineactivated killer (LAK) cell cytotoxicity. Using fluorescence in situ hybridization the full length 90K cDNA has been localized to chromosome 17q25. The native protein binds specifically to a human macrophage-associated lectin known as Mac-2 and also binds galectin 1. [provided by RefSeq, Jul 2008]

## **Product images:**



Circular map for RC204918L1



Double digestion of RC204918L1 using Sgfl and Mlul

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