

Product datasheet for RC210052L3

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

Galectin 7 (LGALS7) (NM_002307) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Galectin 7 (LGALS7) (NM_002307) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: Galectin 7

Synonyms: GAL7; LGALS7A

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

Sgfl-Mlul

E. coli Selection: Chloramphenicol (34 ug/mL)

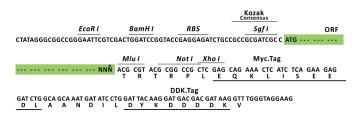
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC210052).

Sequence:

Restriction Sites: Cloning Scheme:

Sgf 1 ORF Mlu I

--- GCG ATC GC ATG --- // --- NNN ACG CGT ---



st The last codon before the Stop codon of the ORF.

ACCN: NM_002307

ORF Size: 408 bp





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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.

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 Method: 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. 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.

RefSeq: <u>NM 002307.1</u>, <u>NP 002298.1</u>

19q13.2

 RefSeq Size:
 498 bp

 RefSeq ORF:
 411 bp

 Locus ID:
 3963

 UniProt ID:
 P47929

Protein Families: Secreted Protein

MW: 14.9 kDa

Cytogenetics:

Gene Summary: The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-

cell and cell-matrix interactions. Differential and in situ hybridization studies indicate that this lectin is specifically expressed in keratinocytes and found mainly in stratified squamous epithelium. A duplicate copy of this gene (GenelD:653499) is found adjacent to, but on the

opposite strand on chromosome 19. [provided by RefSeq, Jul 2008]