

## LGALS9 cDNA

Catalog Number: ATGD0313

### PRODUCT INFORMATION

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**Catalog number**

ATGD0313

**Product type**

cDNA

**Species**

Mouse

**NCBI Accession No.**

NP\_001152773.1

**Alternative Names**

AA407335, AI194909, AI265545, gal-9, galectin-9, LGALS35, Lgals5

**mRNA Refseq**

NM\_001159301.1

**OMIM**

**Chromosome location**

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### PRODUCT SPECIFICATION

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**Formulation**

Lyophilized

**Storage**

Store the plasmid at -20C.

**cDNA Size**

969bp

**Preparation before usage**

1. Centrifuge at 7000rpm for 1 minute.
2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA. Each tube contains approximately 10ug of lyophilized plasmid.

**Vector description**

This shuttle vector contains the complete ORF. It is inseted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

**Cloning Vector**

pATGen (puc19-derived cloning vector)

**General Description**

Galectin-9 is a protein that in humans is encoded by the LGALS9 gene. This protein is a member of animal lectins

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that have an affinity to beta-galactosides and Forssman pentasaccharide. It is strongly overexpressed in Hodgkin's disease tissue and it might participate in the interaction between the H&RS cells with their surrounding cells and might thus play a role in the pathogenesis of this disease and/or its consistently associated immunodeficiency.

**DATA****Sequence nucleotides**

```
ATGGCTCTTTCAAGTGCCAGTCTCCATACATTAACCCGATCATCCCCTTTACTGGACCAATCCAAGGAGGGCTGCAGGAGG
GACTTCAGGTGACCCTCCAGGGGACTACCAAGAGTTTTGCACAAAGGTTTGTGGTGAACCTTCAGAACAGCTTCAATGGAAA
TGACATTGCCTTCCACTTCAACCCCGGTTTTGAGGAAGGAGGGTATGTGGTTTGCAACACGAAGCAGAACGGACAGTGGGG
TCCTGAGGAGAGAAAGATGCAGATGCCCTTCCAGAAGGGGATGCCCTTTGAGCTTTGCTTCCTGGTGCAGAGGTCAGAGTT
CAAGGTGATGGTGAACAAGAAATTCTTTGTGCAGTACCAACACCGCGTACCCTACCACCTCGTGGACACCATCGCTGTCTCC
GGCTGCTTGAAGCTGTCTTTATCACCTTCCAGACTCAGAACTTTCGTCCTGCCACCAGGCACCCATGGCTCAAACCTACCA
TCCATATGGTTCACAGCACCCCTGGACAGATGTTCTCTACTCCTGGAATCCCTCCTGTGGTGTACCCACCCAGCCTATAC
CATACTTTCTACACCCCATTCCAAATGGGCTTTACCCGTCCAAGTCCATCATGATATCAGGCAATGTCTTGCCAGATGCTA
CGAGGTTCCATATCAACCTTCGCTGTGGAGGTGACATTGCTTCCACCTGAACCCCGTTTTCAATGAGAATGCTGTTGTCCG
AAACTACTCAGATCAACAACCTCCTGGGGGCAGGAAGAGCGAAGTCTGCTTGGGAGGATGCCCTTCAGTCGAGGCCAGAGCT
TCTCGGTGTGGATCATATGTGAAGGTCACTGCTTCAAGGTAGCTGTGAATGGTCAACACATGTGTGAATATTACCACCGCT
GAAGAACTTGCAGGATATCAACTCTAGAAGTGGCGGGTGATATCCAGCTGACCCACGTGCAGACATAG
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**Transaction Sequence**

```
MALFSAQSPY INPIIPFTGP IQGGLQEGLQ VTLQGTTKSF AQRFVNFQN SFNGNDIAFHFNPRFEEGGY VVCNTKQNGQ
WGPEERKMOM PFQKGMPEL CFLVQRSEFK VMVNKFFVQYQHRVPYHLV DTIAVSGCLK LSFITFQTQN FRPAHQAPMA
QTTIHMVHST PGQMFSTPGIPPVVYPTPAY TIPFYTPIN GLYPSKSIMI SGNVLPDTR FHINLRCGGD
IAFHLNPRFNENAVRNTQI NNSWGQEERS LLGRMPFSRG QSFSVWIICE GHCFKVAVNG QHMCEYYHRLKNLQDINTLE
VAGDIQLTHV QT
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