

LGALS9 cDNA

Catalog Number: ATGD0313

PRODUCT INFORMATION

Catalog number

ATGD0313

Product type

cDNA

Species

Mouse

NCBI Accession No.

NP_001152773.1

Alternative Names

LGALS9, Lgals5, LGALS35, Galectin-9, gal-9

mRNA Refseq

NM_001159301.1

OMIM**Chromosome location**

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PRODUCT SPECIFICATION

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

```
ATGGCTCTCTTCAGTGCCAGTCTCCATACATTAACCCGATCATCCCCTTTACTGGACCAATCCAAGGAGGGCTGCAGGAGG
GACTTCAGGTGACCCTCCAGGGGACTACCAAGAGTTTTGCACAAAGGTTTGTGGTGAACCTTTCAGAACAGCTTCAATGGAAA
TGACATTGCCTTCCACTTCAACCCCGGTTTGAGGAAGGAGGGTATGTGGTTTGCAACACGAAGCAGAACGGACAGTGGGG
TCCTGAGGAGAGAAAGATGCAGATGCCCTTCCAGAAGGGGATGCCCTTTGAGCTTTGCTTCCTGGTGCAGAGGTCAGAGTT
CAAGGTGATGGTGAACAAGAAATTCTTTGTGCAGTACCAACACCGCGTACCCTACCACCTCGTGGACACCATCGCTGTCTCC
GGCTGCTTGAAGCTGTCTTTATCACCTTCCAGACTCAGAACTTTCGTCCTGCCCACCAGGCACCCATGGCTCAAACCTACCA
TCCATATGGTTCACAGCACCCCTGGACAGATGTTCTCTACTCCTGGAATCCCTCCTGTGGTGTACCCACCCAGCCTATAC
CATACTTTCTACACCCCATTCCAAATGGGCTTTACCCGTCCAAGTCCATCATGATATCAGGCAATGTCTTGCCAGATGCTA
CGAGGTTCCATATCAACCTTCGCTGTGGAGGTGACATTGCTTCCACCTGAACCCCGTTTCAATGAGAATGCTGTTGTCCG
AAACACTCAGATCAACAACCTCCTGGGGGCAGGAAGAGCGAAGTCTGCTTGGGAGGATGCCCTTCAGTCGAGGCCAGAGCT
TCTCGGTGTGGATCATATGTGAAGGTCACTGCTTCAAGGTAGCTGTGAATGGTCAACACATGTGTGAATATTACCACCGCT
GAAGAACTTGCAGGATATCAACACTCTAGAAGTGGCGGGTGATATCCAGCTGACCCACGTGCAGACATAG
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Transaction Sequence

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MALFSAQSPY INPIIFTGP IQGGLQEGLQ VTLQGTTKSF AQRVVFNFQN SFNGNDIAFHFNPRFEEGGY VVCNTKQNGQ
WGPEERKMOM PFQKGMPEL CFLVQRSEFK VMVNKKFFVQYQHRVPYHLV DTIAVSGCLK LSFITFQTQN FRPAHQAPMA
QTTIHMVHST PGQMFSTPGIPPVVYPTPAY TIPFYTPIN GLYPSKSI MI SGNVLPDATR FHINLRCGGD
IAFHLNPRFNENAVVRNTQI NNSWGQEERS LLGRMPFSRG QSFSVWIICE GHCFKQVAVNG QHMCEYYHRLKNLQDINTLE
VAGDIQLTHV QT
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