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
11

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

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

ATGGCTCTCTTCAGTGCCCAGTCTCCATACATTAACCCGATCATCCCCTTTACTGGACCAATCCAAGGAGGGCTGCAGGAGG
GACTTCAGGTGACCCTCCAGGGGACTACCAAGAGTTTTGCACAAAGGTTTGTGGTGAACTTTCAGAACAGCTTCAATGGAAA
TGACATTGCCTTCCACTTCAACCCCCGGTTTGAGGAAGGAGGGTATGTGGTTTGCAACACGAAGCAGAACGGACAGTGGGG
TCCTGAGGAGAGAAAGATGCAGATGCCCTTCCAGAAGGGGATGCCCTTTGAGCTTTGCTTCCTGGTGCAGAGGTCAGAGTT
CAAGGTGATGGTGAACAAGAAATTCTTTGTGCAGTACCAACACCGCGTACCCTACCACCTCGTGGACACCATCGCTGTCTCC
GGCTGCTTGAAGCTGTCCTTTATCACCTTCCAGACTCAGAACTTTCGTCCTGCCCACCAGGCACCCATGGCTCAAACTACCA
TCCATATGGTTCACAGCACCCCTGGACAGATGTTCTCTACTCCTGGAATCCCTCCTGTGGTGTACCCCACCCCAGCCTATAC
CATACCTTTCTACACCCCCATTCCAAATGGGCTTTACCCGTCCAAGTCCATCATGATATCAGGCAATGTCTTGCCAGATGCTA
CGAGGTTCCATATCAACCTTCGCTGTGGAGGTGACATTGCTTTCCACCTGAACCCCCGTTTCAATGAGAATGCTGTTGTCCG
AAACACTCAGATCAACAACTCCTGGGGGCAGGAAGAGCGAAGTCTGCTTGGGAGGATGCCCTTCAGTCGAGGCCAGAGCT
TCTCGGTGTGGATCATATGTGAAGGTCACTGCTTCAAGGTAGCTGTGAATGGTCAACACATGTGTGAATATTACCACCGCCT
GAAGAACTTGCAGGATATCAACACTCTAGAAGTGGCGGGTGATATCCAGCTGACCCACGTGCAGACATAG

Transaction Sequence

MALFSAQSPY INPIIPFTGP IQGGLQEGLQ VTLQGTTKSF AQRFVVNFQN SFNGNDIAFHFNPRFEEGGY VVCNTKQNGQ
WGPEERKMQM PFQKGMPFEL CFLVQRSEFK VMVNKKFFVQYQHRVPYHLV DTIAVSGCLK LSFITFQTQN FRPAHQAPMA
QTTIHMVHST PGQMFSTPGIPPVVYPTPAY TIPFYTPIPN GLYPSKSIMI SGNVLPDATR FHINLRCGGD
IAFHLNPRFNENAVVRNTQI NNSWGQEERS LLGRMPFSRG QSFSVWIICE GHCFKVAVNG QHMCEYYHRLKNLQDINTLE
VAGDIQLTHV QT