

Product datasheet for **MR200810**

Lgals1 (NM_008495) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lgals1 (NM_008495) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Lgals1
Synonyms: AA410090; Gal-1; Galbp; galectin-1; L-14.5; L14; Lect14
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR200810 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCTGTGGTCTGGTCGCCAGCAACCTGAATCTCAAACCTGGGGAATGTCTCAAAGTTCGGGGAGAGG
TGGCCTCGGACGCCAAGAGCTTTGTGCTGAACCTGGGAAAAGACAGCAACAACCTGTGCCTACACTTCAA
TCCTCGTTCAATGCCCATGGAGACGCCAACACCATTGTGTGAACCAAGGAAGATGGGACCTGGGGA
ACCGAACACCGGGAACCTGCCTTCCCCTCCAGCCGGGAGCATCATAGAGGTGTGCATCACCTTTGACC
AGGCTGACCTGACCATCAAGCTGCCAGACGGACATGAATTCAGTCCCAACCGCCTCAACATGGAGGC
CATCAACTACATGGCGGGGATGGAGACTCAAGATTAAGTGCCTGGCCTTTGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR200810 protein sequence
Red=Cloning site Green=Tags(s)

MACGLVASNLNLKPGECLKVRGEVASDAKSFVLNLGKDSNNLCLHFNPRFNAHGDANTIVCNTKEDGTWG
TEHREPAFPFQPGSIIIEVCITFDQADLTIKLPDGHEFKFPNRLNMEA INYMAADGDFKIKCVAFE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:



ACCN: NM_008495

ORF Size: 408 bp

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: [NM_008495.1](#), [NM_008495.2](#), [NP_032521.1](#)

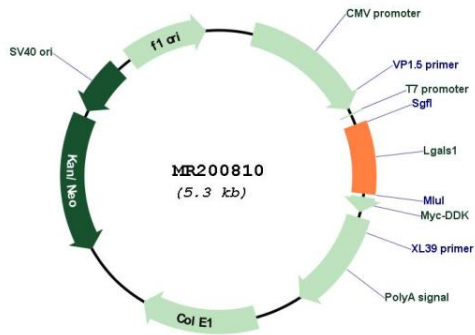
RefSeq Size: 817 bp

RefSeq ORF: 408 bp

Locus ID: 16852

UniProt ID: [P16045](#)
 Cytogenetics: 15 37.7 cM
 MW: 14.9 kDa
 Gene Summary: Lectin that binds beta-galactoside and a wide array of complex carbohydrates. Plays a role in regulating apoptosis, cell proliferation and cell differentiation. Inhibits CD45 protein phosphatase activity and therefore the dephosphorylation of Lyn kinase. Strong inducer of T-cell apoptosis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR200810