

Product datasheet for **RR212343**

Lgals3 (NM_031832) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lgals3 (NM_031832) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Lgals3
Synonyms: AGE-R3; CBP30; gal-3; L-34
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR212343 representing NM_031832
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGACGGCTTCTCACTTAATGATGCCTTAGCTGGCTCTGGAAACCCAAACCCTCGAGGATGGCCTG
GTGCATGGGGGAACCAGCCTGGGGCAGGAGGCTACCCAGGGCCTCTATCCTGGGGCCTACCCAGGACA
GGCTCCTCCAGGGGTTATCCTGGACAGGCTCCTCCTAGTGCCTATCCGGGCCAACTGGCCCTAGTGCT
TATCCTGGCCCAACTGCCCTGGAGCTTATCCTGGCCCAACTGCCCCGGAGCCTTCCAGGGCAACCTG
GGGGACCTGGAGCCTACCCAGTGCTCCTGGGGCCTACCCAGTGCTCCTGGGGCCTATCCTGCTACTGG
CCCTTTGGTGCCCGACTGGACCACTGACAGTGCCCTACGATATGCCCTTGCCCTGGAGGAGTCATGCC
CGCATGCTGATCACAATCATAGGCACAGTGAAGCCCAACGAAACAGTATCACTCTGAATTTCAAGAAAG
GGAACGACATCGCCTTCCACTTTAACCCCGCTTCAATGAGAACAACAGAAGAGTCATCGTGTGCAACAC
GAAGCAGGACAATAACTGGGGAAGGGAAGAAAGACAGTCAGCTTTCCCTTTGAGAGCGGCAAAACCATTC
AAAATACAGGTCTGTTGAAGCCGACCACTTCAAGGTTGCGGTCAATGATGTTTCATCTGTTGCAGTATA
ACCATCGGATGAAGAACCTCAGGAAATCAGCCAACTGGGGATCATTGGTGACATAACCCCTACCAGCGC
TCCCCACGCCATGATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR212343 representing NM_031832
 Red=Cloning site Green=Tags(s)

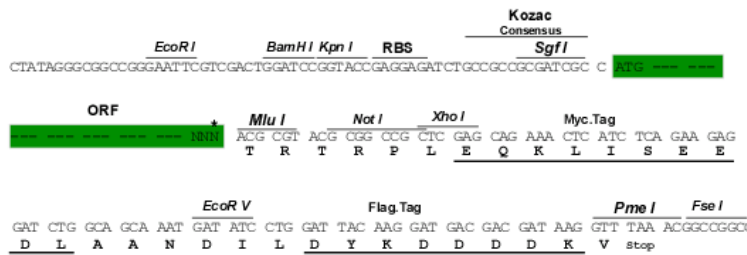
MADGFSLNDALAGSGNPNRGWPWGAWGNQPGAGGYPGASYPGAYPGQAPPGGYPGQAPPSAYPGPTGPSA
 YPGPTAPGAYPGPTAPGAFPGQPGGPGAYPSAPGAYPSAPGAYPATGPFGAPTGPLTVPYDMPLPGGVMP
 RMLITIIIGTVKPNANSITLNFKKGNDIAFHFNPRFNENNRVIVCNTKQDNNWGREERQSAFPESGKPF
 KIQVLVEADHFVKVAVNDVHLLQYNHRMKNLREISQLGIIGDITLTSASHAMI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_031832

ORF Size: 786 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_031832.1](#), [NP_114020.1](#)

RefSeq Size: 948 bp

RefSeq ORF: 789 bp

Locus ID: 83781

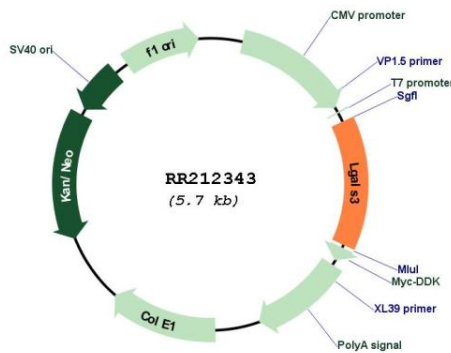
UniProt ID: [P08699](#)

Cytogenetics: 15p14

MW: 27.2 kDa

Gene Summary: lectin molecule that binds IgE; may have role in immune function [RGD, Feb 2006]

Product images:



Circular map for RR212343