

Product datasheet for **RR211557**

Lgals12 (NM_001106333) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lgals12 (NM_001106333) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Lgals12
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR211557 representing NM_001106333
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTCAACTGACGAACACCTGGACCCGATCCCTGACAGCTTCATCCTGCAGCCGCCAGTCTTCCACCTG
TGATTCCTTATGTCACAACAATTTTCGGTGGCCTGTATGCAGGCAAGATGATCATGCTGCAGGGTGTGGT
CCCTCGCCATGCACGGAGGTTTCAGGTGGACTTCCAGTGTGGGTGCTGCCTGCATCCTCGGCCAGATGTT
GCCTTCCACTTCAGCCCTCGCTTCTACTGTCAAGCCCATGTCATCTGCAACACCCTCCAAGGTGGAC
TCTGGCAGAAAGAGGTCCGGTGGCCAGGAATCGCCCTGCAGAAAGGGGCTAGCTTCTCATCCTCTTTCT
CTTTGACAATGAAGAGGTGAAGGTGAGTGTGAACGGACAGCACCTTCTTCACTACCGCTATCGGCTCCCA
CTGTCACGGGTGGATACTCTTGATATACTGGCGACATCTTGGTAAAGGCTGTTGGATTCTGAACATCA
GTCCATTCGTGGAGGGTAGCAGAGAGTATCCAGTTGGATATCCCCTCTGCTGTATAGCCCCAGGCTGGA
GGTGCCCTGCTCTCGAGCTTCTCGGGTCTCTGGCCTGGGCAAGTATTGTAGTTCGAGGACTGGTC
TTGAAAGAGCCAAAAGATTTACCCTGAGCCTGAGGGATGGGGCCACCCATGTTCTGTGACACTCAGGG
CTTCTTACAGACAGAACTGGCCTGGGTCTCTCTCTGGGACGAAAGAAGCTGATCTCAGCCCCCTT
CCTCTTTATCCCAGCGATTCTTCGAGGTTCTGCTTTTGTGCCAAGAGGGAGGGCTGAAGCTGGCACTC
AATGGGCATGGGCTGGGGCCACCAGCCTGGATCAGAAAGCCCTGGAGCAGCTGCGGGACCTCAGGATCA
GTGGAAGTGTCCATCTCTACTGTGTCCACTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR211557 representing NM_001106333
 Red=Cloning site Green=Tags(s)

MSTDEHLDPIDSFILQPPVFHPVIPYVTTIFGGLYAGKMIMLQGVVPRHARRFQVDFQCGCCLHPRPDV
 AFHFSPRFYTVKPHVICNTLQGGWLWQKEVRWPGIALQKGASFLILFLDNEEVKVSVNGQHFLHYRYRLP
 LSRVDTLDISGDILVKAVGFLNISPFVEGSREYPVGYPLLLYSPRLEVPCSRALPRGLWPGQVIVVRGLV
 LKEPKDFTLSLRDGATHVPVTLRASFTDRTLAWVSSWGRKKLISAPFLFYQRF FEVLLLCQEGGLKLAL
 NGHGLGATSLDQKALEQLRDLRISGSVHLYCVHC

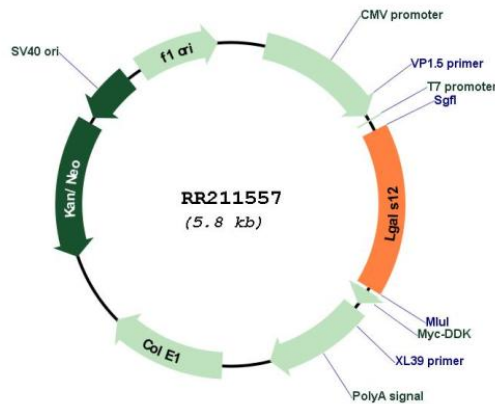
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001106333

ORF Size:	942 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:	<ol style="list-style-type: none"> 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_001106333.1 , NP_001099803.1
RefSeq Size:	2793 bp
RefSeq ORF:	945 bp
Locus ID:	293710
Cytogenetics:	1q43
MW:	35.4 kDa