

Product datasheet for **RR205932**

Lgals4 (NM_012975) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lgals4 (NM_012975) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lgals4
Synonyms:	L-36; L36LBI
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR205932 representing NM_012975 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCTATGTCCAGCACCCGGCTACCAGCCACCTACAATCCGACGCTGCCCTACAAGAGGCCCATCC
CAGGTGGCCTCAGTGTCCGAATGTCCATTTACATCCAAGGAATAGCCAAAGACAACATGAGACGGTTCCA
CGTGAACTTTGTGTGGGCGAGGATGAGGGGGCAGATATTGCTTCCACTCAACCCCGGTTTGTATGGC
TGGGACAAGGTGGTCTTCAATACGATGCAAAGCGGACAGTGGGGCAAGGAAGAGAAGAAGAGCATGC
CTTTCCAAAAGGGTCACCACTTCGAGCTGGTGTTCATGGTCATGTCTGAGCACTACAAGTTCGTGGTAAA
CGGAACCTCCCTTCTACGAATATGGGCACCGGTTGCCCTACAGATGGTCACCCACTTGCAAGTGGATGGG
GACCTGGAACCTCAGTCAATCAACTTCCTTGGGGCCAACCTGCTGCATCCAGTATCCGGGAACCATGA
CTATCCAGCTTATCCTAGTGTGGTACAACCTCCACAGATGAACAGCCTGCCTGTATGGCGGGACC
CCCGATCTTCAATCCGCCTGTGCCATATGTGGGGACCTGCAGGGGGCCTTACAGCCGAAGAACCATC
ATAATCAAGGGATATGTACTTCTACAGCCAAGAACCTTATCATCAACTCAAGTGGGGTCGACCCGAG
ACATAGCTTTTACATGAACCCCGCATAGGTGATTGTGTGGTTCGCAACAGCTATATGAATGGCTTTG
GGGCTCCGAAGAGAGGAAGATACCCTACAACCCGTTTGGCGCTGGGCAGTTCTTTGATCTGTCAATCCGC
TGCGGCACGGATCGATTCAAGGTGTTTGCACACGGCCAGCACCTTTTCGACTTCTCACATCGGTTCCAAG
CATTCCAAAGGGTAGACATGCTGGAGATCAAAGGCGACATCACCTTGTCCTATGTCCAGATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR205932 representing NM_012975
 Red=Cloning site Green=Tags(s)

MAYVVPAGYQPTYNPTLPYKRPIPGGLSVGMSIYIQGIAKDNMRRFHVNFVAVGQDEGADIAFHFNPRFDG
 WDKVVFNTMQSGQWGKEEKKKSMPPFQKGHHFELVFMVMSEHYKVVVNGTFFYEYGHRLPLQMVTHLQVDG
 DLELQSIINFLGGQPAASQYPGTMTIPAYPSAGYNPPQMNSLPVMAGPPIFNPPVPVYVGTLLQGGLTARRTI
 IIKGYVLPYAKNLIINFVKVSTGDI AFHMPRI GDCVVRNSYMN GSWGSEERKIPYNPFGAGQFFDLSIR
 CGTDRFKVFANGQHLDFSHRFQAFQRVDMLEIKGDITLSYVQI

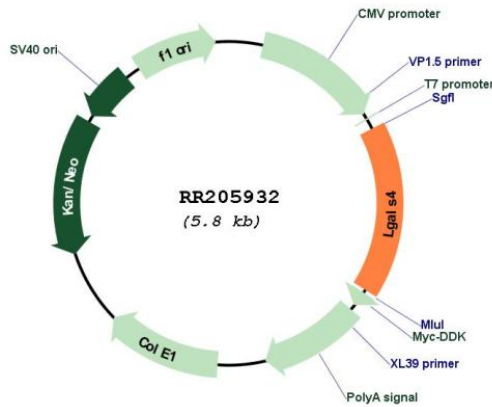
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_012975

ORF Size: 972 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_012975.1 , NP_037107.1
RefSeq Size:	1053 bp
RefSeq ORF:	975 bp
Locus ID:	25474
UniProt ID:	P38552
Cytogenetics:	1q21
MW:	36.3 kDa
Gene Summary:	lactose-binding lectin [RGD, Feb 2006]