

Product datasheet for **RR204130**

Lgals2 (NM_133599) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lgals2 (NM_133599) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Lgals2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR204130 representing NM_133599
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCGGAGAAATTCGAGGTCACAAACCTGAACATGAAATCAGGGATGTCCTGAAGATTAAGGCAAGA
 TCCACAATGATGTTAACAGCTTCACCATTAACCTGGGCCAGGGAAAGAAACGCTGAACCTGCATTTTAA
 CCCTCGCTTCAATGAATCCACCATTGTCTGTAAACCCCTTGACGGTAGCAGCTGGGGACAAGAGCAACGA
 GAAAACCATTCCTGTTTCAGTCCAGGGTCAGAGGTCAAGCTCACCTTACCTTCCAAGACAAAGACTTCA
 AGGTGACGCTGCCTGATGGACTCGCTGACCTTCCCAACAGGCTGGGCCACAACCACCTGCGCTACTT
 AAGCATGGATGGCTCCAGATCTCCTCCTCAAGCTCGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR204130 representing NM_133599
 Red=Cloning site Green=Tags(s)

MSEKFEVTNLMKSGMSLKIKGKIHNDVNSFTINLGQKETLNLHFNPRFNESTIVCNTLDGSSWGQEQR
 ENHSCFSPGSEVKLTLTFQDKDFKVTLPDGHSLTFPNRLGHNHLRYLSMDGLQISSFKLE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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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_133599.1 , NP_598283.1
RefSeq Size:	624 bp
RefSeq ORF:	393 bp
Locus ID:	171134
UniProt ID:	Q9Z144
Cytogenetics:	7q34
MW:	14.7 kDa
Gene Summary:	binds beta-galactopyranoside in vitro; may bind the beta-galactoside moiety of glycoproteins in the stomach [RGD, Feb 2006]