

Product datasheet for MR204480

Lgals12 (NM_019516) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lgals12 (NM_019516) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lgals12
Synonyms:	AW987437; gal-12; Grip1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204480 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCAACTGACGAACACCTGGACCCGATTCTGACAGCTTCATCCTGCAGCCGCCAGTCTTCCACCCGG
TGATTCCATTATGGCACAACAATTTTTGGTGGCCTGTATGCAGGCAAGATGGTCACGCTGCAGGGTGTGGT
CCCTCTGCATGCAAGGAGGTTTCAGGTGGACTTCCAGTGTGGGTGCTGCCTGCATCCTCAGCCAGATGTT
GCCTTCCGCTTCAGCCCTCGATTCTACACTGTCAAGCCCCATGTCATCTGCAACACCCACCAAGGTGGAC
TCTGGCAAAAAGAGATCCGGTGGCCAGGGTGCCTGCAGAGAGGGGATAGCTTCTCATTCTCTTTCT
CTTTGAGAACGAAGAGGTGAAGGTGAGTGTAAATGGCCAGCACTTCTTCTACTACCGCTACCGGCTCCCA
CTGTACACGGGTAGATACCTTGACATATCTGGTACATCTTGGTAAAGGCTGTTGGATTCTGAACATCA
ATCCATTTGTGGAGGGTAGCAGAGAGTATCCAGTTGGATATCCCTTCTGCTGTATAGCCCCAGGCTGGA
GGTGCCCTGTACGTGCTTCTCCTCGGGTCTCTGGCCTGGGCAAGTCATTGTAGTTCCGAGGACTGGTC
TTGAAAGAGCCGAAAGATTTTACCCTGAGCCTGAAGGATGGGACCACCATGTTCTGTGACTCAGGG
CTTCTTACAGACAGAACACTGGCCTGGGTCTCCTCTGGGACGAAAGAAGCTGATCTCCGCCCTT
CCTCTTACCCCCAGCGATTCTTCGAGTACTGCTTCTGTGCCAAAAGGGAGGGCTGAAGTTGGCACTC
AATGGGCAGGGGCTGGGGCCACCAGCTGGACCAGAAAGCCCTGGAGCAGCTGCCGGGAGCTCAGGATCA
GTGGAAATGTCCACCTCTACTGTGTCCACTGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204480 protein sequence
Red=Cloning site Green=Tags(s)

MSTDEHLDPIDSFILQPPVFHPVIPYGTTFGGLYAGKMVTLQGVVPLHARRFQVDFQCGCCLHPQPDV
 AFRFSRPFYTVKPHVICNTHQGGLWQKEIRWPGVALQRGDSFLILFLFENEVKVSVNGQHFLHYRYRLP
 LSRVDTLDISGDILVKAVGFLNINPFVEGSREYPVGYPFLLYSPRLEVPCSRALPRGLWPGQVIVRGLV
 LKEPKDFTLSLKDGTTTHVPVTLRASFTDRTLAWVSSWGRKKLISAPFLFHPQRF FEVLLLCQKGGGLKAL
 NGQGLGATSLDQKALEQLRELRIISGNVHLYCVHC

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_019516

ORF Size: 945 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_019516.1](#), [NM_019516.2](#), [NM_019516.3](#), [NP_062389.1](#)

RefSeq Size: 2755 bp

RefSeq ORF: 945 bp

Locus ID: 56072

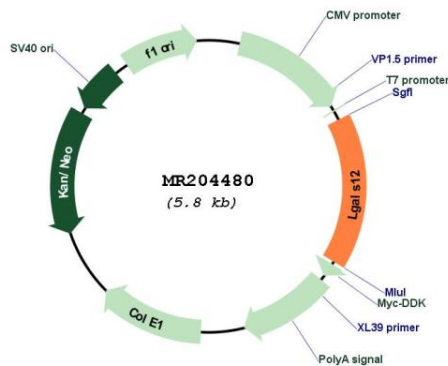
UniProt ID: [Q91VD1](#)

Cytogenetics: 19 A

MW: 35.5 kDa

Gene Summary: Binds lactose. May participate in the apoptosis of adipocytes.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR204480