

## Product datasheet for **MG204480**

### Lgals12 (NM\_019516) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Lgals12 (NM_019516) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lgals12
Synonyms:	AW987437; gal-12; Grip1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204480 representing NM_019516 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCAACTGACGAACACCTGGACCCGATTCTGACAGCTTCATCCTGCAGCCGCCAGTCTTCCACCCGG  
TGATTCCATTATGGCACAACAATTTTTGGTGGCCTGTATGCAGGCAAGATGGTCACGCTGCAGGGTGTGGT  
CCCTCTGCATGCAAGGAGGTTTCAGGTGGACTTCCAGTGTGGGTGCTGCCTGCATCCTCAGCCAGATGTT  
GCCTTCCGCTTCAGCCCTCGATTCTACACTGTCAAGCCCCATGTCATCTGCAACACCCACCAAGGTGGAC  
TCTGGCAAAAAGAGATCCGGTGGCCAGGGTGCCTGCAGAGAGGGGATAGCTTCTCATTCTCTTTCT  
CTTTGAGAACGAAGAGGTGAAGGTGAGTGTAAATGGCCAGCACTTCTTCTACTACCGCTACCGGCTCCCA  
CTGTACAGGGTAGATACCTTGACATATCTGGTACATCTTGGTAAAGGCTGTTGGATTCTGAACATCA  
ATCCATTTGTGGAGGGTAGCAGAGAGTATCCAGTTGGATATCCCTTCTGCTGTATAGCCCCAGGCTGGA  
GGTGGCCCTGCTCACGTGCTTCTCCTCGGGTCTCTGGCCTGGGCAAGTCATTGTAGTTCGAGGACTGGTC  
TTGAAAGAGCCGAAAGATTTTACCCTGAGCCTGAAGGATGGGACCACCATGTTCTGTGACTCAGGG  
CTTCTTACAGACAGAACACTGGCCTGGGTCTCCTCTGGGACGAAAGAAGCTGATCTCCGCCCTT  
CCTCTTACCCCCAGCGATTCTTCGAGTACTGCTTCTGTGCCAAAAGGGAGGGCTGAAGTTGGCACTC  
AATGGGCAGGGGCTGGGGCCACCAGCTGGACCAGAAAGCCCTGGAGCAGCTGCCGGGAGCTCAGGATCA  
GTGGAAATGTCCACCTCTACTGTGTCCACTGC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG204480 representing NM\_019516  
 Red=Cloning site Green=Tags(s)

MSTDEHLDPIDSFILQPPVFHPVIPYGTTFIFGGLYAGKMVTLQGVVPLHARRFQVDFQCGCCLHPQPDV  
 AFRFSRPFYTVKPHVICNTHQGGLWQKEIRWPGVALQRGDSFLILFLFENEVKVSVNGQHFLHYRYRLP  
 LSRVDTLDISGDILVKAVGFLNINPFVEGSREYPVGYPFLLYSPRLEVPCSRALPRGLWPGQVIVVRGLV  
 LKEPKDFTLSLKDGTTTHVPVTLRASFTDRTLAWVSSWGRKKLISAPFLFHPQRF FEVLLLCQKGGGLKAL  
 NGQGLGATSLDQKALEQLRELRI SGNVHLYCVHC

TRTRPLE - GFP Tag - V

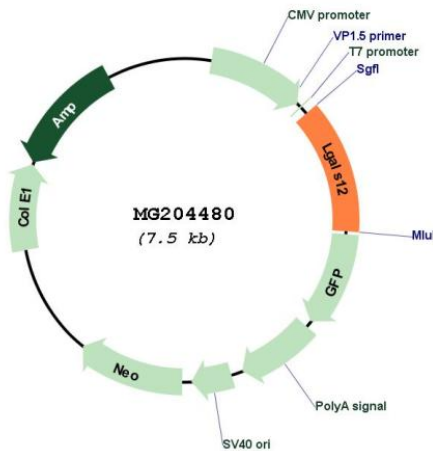
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_019516

**ORF Size:** 942 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_019516.2</a> , <a href="#">NP_062389.1</a>
<b>RefSeq Size:</b>	2756 bp
<b>RefSeq ORF:</b>	945 bp
<b>Locus ID:</b>	56072
<b>UniProt ID:</b>	<a href="#">Q91VD1</a>
<b>Cytogenetics:</b>	19 A
<b>Gene Summary:</b>	Binds lactose. May participate in the apoptosis of adipocytes.[UniProtKB/Swiss-Prot Function]