

## Product datasheet for MC204300

### Fgl1 (NM\_145594) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Fgl1 (NM\_145594) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Fgl1  
**Synonyms:** Mfire1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC021946  
GACTGAGCCTAGCTAAGTCTGATTCATTTTGACTTGAGTTCTCTCAGTGGGAAGAATGGGAAAGATTTA  
CAGCTTCGTCTGGTCGCCATTGCTCTGATGATGGGAAGGAAGGTTGGGCCCTCGAGAGTGAGAGCTGC  
TTGCGGGAGCAGGTAAGGCTCAGGGCTCAGGTGCACCAGCTTGAGACCCGGTCAAACAACAACAGACCA  
TGATTGCACAGCTCTTGATGAGAAGGAAGTCCAGTTTCTGGATAAAGGATCGGAGAACAGTTTCATTGA  
CCTTGGAGGCAAGAGGCAGTATGAGATTGTTTACAGAGATTACAATGACGGATTTAAGCAGAGTGGATTT  
TACAAAATCAAACCTCTTCAGAGCCTGGCAGAATTCTCTGTTTATTGTGACATGTCTGATGGAGGGGAT  
GGACTGTAATTCAGAGACGATCTGATGGCAGTGAGAACTTTAACAGGGGTTGGAATGACTATGAAAATGG  
CTTTGGAACTTTGTCCAAAACAATGGCGAATACTGGCTGGGTAACAAAAACATTAACCTGCTAACTATT  
CAAGGAGACTACACTTTAAAAATCGACCTGACAGATTTTGAGAAAAACAGCAGCTTCGCACAATACCAA  
GTTTTAAAGTTGGTGATAAAAAGTCTTTTTATGAACTAAATATTGAGAAATATTCTGGCACAGCTGGAGA  
TTCCCTGTCAGGAACTTTTCATCCTGAAGTACAGTGGTGGCTAGTCACCAAAGAATGAAGTTCAGCACG  
TGGGACAGAGATAACGACAACCTACCAAGGAAACTGTGCTGAGGAAGAGCAGTCTGGCTGGTGGTTAACA  
GGTGTCACTCTGCAACCTGAACGGTGTACTACCGCGTTCCTACAGGGCAGAAACGGATAATGGTGT  
TGTGTGGTACACCTGGCATGGGTGGTGTATTCCCTTGAATCTGTGGTTATGAAAATTAGCCAAGTGAT  
TTTATCCAAATATTATTAGTTGCCCTCATTGGGATCTCCTTTCTGTAATTCATCTTGGTTTACTTGAA  
AATAAATATTTGAAAAAGATATAATTCTGAATAACACAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_145594

**Insert Size:** 945 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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<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>	<u><a href="#">BC021946</a></u> , <u><a href="#">AAH21946</a></u>
<b>RefSeq Size:</b>	1102 bp
<b>RefSeq ORF:</b>	945 bp
<b>Locus ID:</b>	234199
<b>UniProt ID:</b>	<u><a href="#">Q71KU9</a></u>
<b>Cytogenetics:</b>	8 A4
<b>Gene Summary:</b>	Immune suppressive molecule that inhibits antigen-specific T-cell activation by acting as a major ligand of LAG3 (PubMed:30580966). Responsible for LAG3 T-cell inhibitory function (PubMed:30580966). Binds LAG3 independently from MHC class II (MHC-II) (PubMed:30580966). In addition to its role in inhibiting inflammatory immune responses, also plays a role in hepatocytes (By similarity). Under normal physiological conditions, primarily secreted from hepatocytes and contributes to its mitogenic and metabolic functions (By similarity).[UniProtKB/Swiss-Prot Function]