

## Product datasheet for MC212019

### Prg4 (NM\_001110146) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Prg4 (NM\_001110146) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Prg4  
**Synonyms:** CACP; DOL54; JCAP; lubricin; MSF; SZP  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC212019 representing NM\_001110146  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGGGTGGAAAATACTTCCCGTCTGCTTGTGCTGCTGCTTCTGTTGCTTGATTCAACAGGTTTCAT  
 CTCAGATTTATCAAGCTGTGCAGGGAGATGTGGGAAGGGTACTCTAGAGATGCCACCTGCAACTGTGA  
 TTATAACTGTCAACACTACATGGAGTGTCTGCTGATTTCAAGAGAGTCTGCACTACAGAGCTCTCTGTC  
 AAAGGACGCTGCTTCGAGTCTTCGCTCGAGGGAGGGAGTGTGACTGTGACTCCCAGTGTAAACAGTATG  
 GCAAGTGCTGTGCAGATTATGACAGCTTCTGTGAAGAAGTAAAAGATAACAAGAAAAACACTCCTAAAAA  
 GAAACCAATCCAGAACCGCCGGCTGTGGATGAAGCTGGAAGCGGGCTGGATAATGCTATTCAGGCACT  
 GATCTTTTGGCCGGGAGACTCAATCAAGGCATTAACATCAATCCCATGCTTTCAGATGAGACCAATTTAT  
 GCAATGGTAAGCCAGTGGATGGACTGACTACGCTGCGCAATGGGACATTAGTTGCATTTTCGAGGTCATTA  
 TTTCTGGATGTGAATCCATTGACACCACATCTCCACCACGCAAGTACCGAAGTTTGGGGTATTCCC  
 TCTCTATTGACACAGTTTTTACTAGATGTAACGTGTAAGGAAAACTTTCTTCTTAAAGGATTCTCAGT  
 ACTGGCGCTTACCAATGATGTGGTAGATCCTGGGTATCCTAAACAAATGTCAAAGGCTTGGAGGACT  
 AACAGGGAAGATAGTGGCTGCTTTCAATAGCCAAGTACAAGGACAGGCCTGAATCTGTGACTTCTTC  
 AAGAGAGGTGGCAACATTGAGCAGTACACTTATAAACAGGAGCCAATGAAGAAGTGCACAGGAGGCGGC  
 CTGCCATCAACTACTCGGTGTACGGGGAGGACAGGTGAGGAGGCGCCGCTTGGAGCGTGTGTTGG  
 ACCTTTCCAGACACACCTTCCAGGATCCATTACTCGGTGCCATGAGAGTTTCTTATCAAGACAAAGGT  
 TTCCTCCACAATGAAGTCAAAGTGAAGTACAATGTGGAGAGGGTTTCCAAATGTTGTTACTTCAGCGATAA  
 CACTGCCTAACATTAGGAAACCTGATGGCTATGATTACTACGCCCTTTCCAAAGATCAATACTATAACAT  
 TGATGTGCCTACAAGAACAGCAAGCAATTACCACACGTTGAGGACAGCCCTCTCCAAATCTGGTAC  
 AACTGTCCT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001110146
<b>Insert Size:</b>	1272 bp
<b>OTI Disclaimer:</b>	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).
<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="#">NM_001110146.1</a></u> , <u><a href="#">NP_001103616.1</a></u>
<b>RefSeq Size:</b>	1884 bp
<b>RefSeq ORF:</b>	1272 bp
<b>Locus ID:</b>	96875
<b>UniProt ID:</b>	<u><a href="#">Q9JIM99</a></u>
<b>Cytogenetics:</b>	1 G1
<b>Gene Summary:</b>	<p>Plays a role in boundary lubrication within articulating joints. Prevents protein deposition onto cartilage from synovial fluid by controlling adhesion-dependent synovial growth and inhibiting the adhesion of synovial cells to the cartilage surface.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks internal coding exons and segments, as compared to variant 1. The resulting isoform (2) is much shorter but has identical N- and C-termini, compared to isoform 1.</p>