# Recombinant Mouse Prg4 Protein, His&GST-tagged

**Cat. No.** Prg4-1980M **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Mouse Prg4 Protein (Gly797-Pro1054) with N-His&GST tag was expressed in E. coli. |
| **Species** | Mouse |
| **Source** | E.coli |
| **ProteinLength** | Gly797-Pro1054 |
| **Description** | Predicted to enable polysaccharide binding activity and scavenger receptor activity. Acts upstream of or within hematopoietic stem cell proliferation; negative regulation of interleukin-6 production; and regulation of cell population proliferation. Located in extracellular space. Is expressed in brain; larynx; musculoskeletal system; and spinal component of peripheral nervous system. Human ortholog(s) of this gene implicated in camptodactyly-arthropathy-coxa vara-pericarditis syndrome and pericarditis. Orthologous to human PRG4 (proteoglycan 4). |
| **Form** | Freeze-dried powder |
| **Molecular Mass** | Predicted Molecular Mass: 60 kDa<br>Accurate Molecular Mass: 60&55&50 kDa |
| **Purity** | > 90% |
| **Applications** | Positive Control; Immunogen; SDS-PAGE; WB. |

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| **Stability** | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| **Storage** | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months. |
| **Storage Buffer** | PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300. |
| **Reconstitution** | Reconstitute in PBS or others. |

## GENE INFORMATION

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| **Gene Name** | Prg4 proteoglycan 4 (megakaryocyte stimulating factor, articular superficial zone protein) [ Mus musculus (house mouse) ] |
| **Official Symbol** | Prg4 |
| **Synonyms** | PRG4; proteoglycan 4 (megakaryocyte stimulating factor, articular superficial zone protein); MSF; SZP; CACP; JCAP; DOL54; C77892; |
| **Gene ID** | 96875 |
| **mRNA Refseq** | NM_021400 |
| **Protein Refseq** | NP_067375 |
| **UniProt ID** | Q9JM99 |

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