Recombinant Mouse Prg4 Protein, His&GST-tagged

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

SPECIFICATION

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 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

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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