

Recombinant Rat Pdgfa Protein, His-tagged

Cat. No. Pdgfa-1930R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Pdgfa Protein (Glu90-Glu190) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Glu90-Glu190
Description	Predicted to enable several functions, including platelet-derived growth factor binding activity; protein dimerization activity; and signaling receptor binding activity. Involved in several processes, including male gonad development; response to estradiol; and response to retinoic acid. Predicted to be located in cell surface and microvillus. Predicted to be active in extracellular space. Biomarker of chronic ulcer of skin; oligohydramnios; pancreatitis; pulmonary hypertension; and renovascular hypertension. Human ortholog(s) of this gene implicated in high grade glioma. Orthologous to human PDGFA (platelet derived growth factor subunit A).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 15.2 kDa Accurate Molecular Mass: 15 kDa
Purity	> 97%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Pdgfa platelet-derived growth factor alpha polypeptide [Rattus norvegicus (Norway rat)]
Official Symbol	Pdgfa
Synonyms	PDGFA; platelet-derived growth factor alpha polypeptide; platelet-derived growth factor subunit A; PDGF-1; PDGF subunit A; platelet derived growth factor, alpha; Platelet-derived growth factor A chain; PDGFACP;
Gene ID	25266
mRNA Refseq	NM_012801

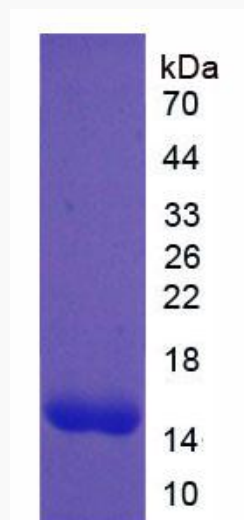
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Protein Refseq NP_036933

UniProt ID P28576



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