

Recombinant Pig PDGFB Protein, His-tagged

Cat. No. PDGFB-1175P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Pig PDGFB Protein (RAGCLSLRVGVGPSASAALDGPPLPTLTEFPLPP+Gly84-Arg199+GNHSSRVC) with His tag was expressed in E. coli.
Species	Pig
Source	E.coli
ProteinLength	RAGCLSLRVGVGPSASAALDGPPLPTLTEFPLPP+Gly84-Arg199+GNHSSRVC
Description	This gene encodes a member of the protein family comprised of both platelet-derived growth factors (PDGF) and vascular endothelial growth factors (VEGF). The encoded preproprotein is proteolytically processed to generate platelet-derived growth factor subunit B, which can homodimerize, or alternatively, heterodimerize with the related platelet-derived growth factor subunit A. These proteins bind and activate PDGF receptor tyrosine kinases, which play a role in a wide range of developmental processes. Mutations in this gene are associated with meningioma. Reciprocal translocations between chromosomes 22 and 17, at sites where this gene and that for collagen type 1, alpha 1 are located, are associated with dermatofibrosarcoma protuberans, a rare skin tumor. Alternative splicing results in multiple transcript variants.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 21 kDa; Accurate Molecular Mass: 26 kDa

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Purity	> 97%
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	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	PDGFB platelet-derived growth factor beta polypeptide [<i>Sus scrofa</i> (pig)]
Official Symbol	PDGFB
Synonyms	PDGFB; platelet-derived growth factor beta polypeptide;
Gene ID	100626465
UniProt ID	A0A287ADF0

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