

Recombinant human PDGF-B protein

Catalog Number: ATGP3007

PRODUCT INFORMATION

Expression system

E.coli

Domain

82-190aa

UniProt No.

P01127

NCBI Accession No.

NP_148937.1

Alternative Names

Platelet-derived growth factor subunit B isoform 2, Platelet-derived growth factor subunit B isoform 2, c-sis, IBGC5, PDGF-2, PDGF2, SIS, SSV

PRODUCT SPECIFICATION

Molecular Weight

14.7 kDa (130aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

PDGFB, also known as, Platelet-derived growth factor subunit B isoform 2, is a member of Platelet derived growth factor (PDGF) family. In general, PDGF isoforms are potent mitogens for connective tissue cells, including dermal fibroblasts, glial cells, arterial smooth muscle cells and some epithelial and endothelial cells. In addition to its activity as a mitogen. Aberrant expression is involved in certain cancers, fibroproliferative disorders and atherosclerosis. Recombinant human PDGFB, fused to His-tag at N-terminus, was expressed in E. coli and

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purified by using conventional chromatography techniques.

Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH M>CKTRTEVFE ISRRLLIDRTN ANFLVWPPCV EVQRCSGCCN NRRNVQCRPTQ
VQLRPVQVRK IEIVRKKPIF KKATVTLEDH LACKCETVAA ARPVTRSPGG SQEQRAKTPQ

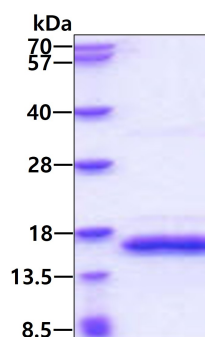
General References

Van Steensel L., et al. (2012) J Clin Endocrinol Metab. 97(6): 37062-37071.

Malabanan KP, et al. (2012) Am J Pathol. 180(6): 2590-7.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.