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 ISRRLIDRTN ANFLVWPPCV EVQRCSGCCN NRNVQCRPTQ
VQLRPVQVRK IEIVRKKPIF KKATVTLEDH LACKCETVAA ARPVTRSPGG SQEQRAKTPQ
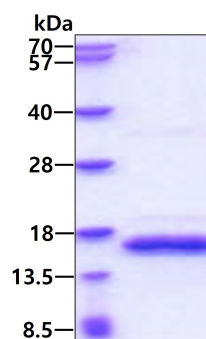
General References

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.

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