

# Product information

## PDGFB, 82-190aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP3007

**Full name:** Platelet-derived growth factor subunit B isoform 2

**NCBI Accession No.:** NP\_148937

**Synonyms:** c-sis, IBGC5, PDGF-2, PDGF2, SIS, SSV

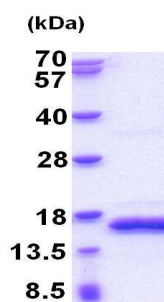
**Description:** PDGFB, also known as, Platelet-derived growth factor subunit B isoform 2, is a member of Platelet derived growth factor (PDGF) family. In general, PDGF isoforms are potent mitogens for connective tissue cells, including dermal fibroblasts, glial cells, arterial smooth muscle cells and 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 purified by using conventional chromatography techniques.

**Form:** Liquid. In Phosphate buffer saline (pH 7.4) containing 10% glycerol

**Molecular Weight:** 14.7kDa (130aa) confirmed by MALDI-TOF

**Purity:** > 95% by SDS - PAGE

**Concentration:** 0.25mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

### Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MCKTRTEVFE ISRRLIDRTN ANFLWPPCV EVQRCSGCCN NRNVQCRIPTQ VQLRPVQVRK IEIVRKKPIF  
KKATVTLEDH LACKCETVAA ARPVTRSPGG SQEQRATPQ

### 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.

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.  
Avoid repeated freezing and thawing cycles.

**For research use only. This product is not intended or approved for human, diagnostics or veterinary use.**