

Datasheet for ABIN6700404 **PDGFB Protein**



[Go to Product page](#)

Overview

Quantity:	10 µg
Target:	PDGFB
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

Product Details

Purpose:	Human Platelet Derived Growth Factor-BB Recombinant Protein (Animal Free)
Purification:	Platelet-Derived Growth Factor is produced with no animal-derived raw products, animal free equipment and animal free protocols. Purity was determined to be greater than 95% as determined by analysis by UV-Spectroscopy at 280nm and by reducing and non-reducing SDS-PAGE.
Purity:	95,00%
Endotoxin Level:	Measured by LAL is typically ≤ 1 EU/µg protein.
Grade:	Animal-Free
Biological Activity Comment:	The activity is determined by the dose-dependent proliferation of 3T3 indicator cells and is typically 1-3 ng/mL.

Target Details

Target:	PDGFB
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Target Details

Alternative Name:	PDGFB (PDGFB Products)
Background:	<p>Synonyms: PDGF-2, Platelet-derived growth factor B chain, Platelet-derived growth factor beta polypeptide, Proto-oncogene c-Sis</p> <p>Background: Platelet-Derived Growth Factor (PDGF) is a mitogenic peptide growth hormone carried in the alpha-granules of platelets and is released when platelets adhere to traumatized tissues. Connective tissue cells near the traumatized region respond by initiating the process of replication. The synthesis of PDGF can be induced by IL-1, IL-6, TNF-α, TGF-β and EGF.</p> <p>Recombinant human PDGF-BB is a non-glycosylated, disulfide-linked homodimer, containing two 109 amino acid chains, with a total molecular weight of 24.3 kDa.</p>
UniProt:	P01127
Pathways:	RTK Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Regulation of Carbohydrate Metabolic Process , Smooth Muscle Cell Migration , Platelet-derived growth Factor Receptor Signaling

Application Details

Application Notes:	<p>Application Note: Platelet Derived Growth Factor-BB Recombinant Protein has been tested by biological activity and is suitable as a control for polyclonal or monoclonal anti-Platelet Derived Growth Factor-BB in immunological assays.</p> <p>Other: User Optimized</p>
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	<p>Reconstitution_Buffer: Restore with deionized water (or equivalent)</p> <p>Reconstitution_Volume: 10 μL (10-100 μL)</p>
Concentration:	0.1 mg/mL
Buffer:	<p>Buffer: 0.01 M Sodium Phosphate, pH 7.5</p> <p>Stabilizer: None</p>
Preservative:	Without preservative
Storage:	-20 °C
Storage Comment:	Store vial at -20° C prior to restoration. Dilute only prior to immediate use. Maintain sterility. This

Handling

product DOES NOT contain preservative. DO NOT VORTEX. We recommend adding a carrier protein such as HSA or BSA to 0.1% (i.e. 1.0 mg/mL). For best results aliquot contents and freeze at -20° C or colder. Avoid cycles of freezing and thawing. Centrifuge vial before each opening to dislodge contents from the cap and to clarify if contents are not clear after standing at room temperature.

Expiry Date: 6 months