

Datasheet for ABIN6700384 **PDGFA Protein**

[Go to Product page](#)

Overview

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

Product Details

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| Purpose: | Human Platelet Derived Growth Factor-AA 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 97% as determined by analysis by UV-Spectroscopy at 280nm and by reducing and non-reducing SDS-PAGE. |
| Purity: | 97,00% |
| 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 mouse 3T3 indicator cells and is typically 3-5 ng/mL. |

Target Details

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| Target: | PDGFA |
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Target Details

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| Alternative Name: | PDGFA (PDGFA Products) |
| Background: | <p>Synonyms: PDGF-1, Platelet-derived growth factor A chain, Platelet-derived growth factor alpha polypeptide</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-AA is a non-glycosylated disulfide-linked homodimer, containing two 125 amino acid chains, with a total molecular weight of 28.5 kDa.</p> |
| UniProt: | P04085 |
| Pathways: | RTK Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Smooth Muscle Cell Migration , Platelet-derived growth Factor Receptor Signaling |

Application Details

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| Application Notes: | <p>Application Note: Platelet Derived Growth Factor-AA Recombinant Protein is suitable as a control for polyclonal or monoclonal anti-Platelet Derived Growth Factor-AA in immunological assays.</p> <p>Other: User Optimized</p> |
| Restrictions: | For Research Use only |

Handling

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| Format: | Lyophilized |
| Reconstitution: | <p>Reconstitution_Buffer: Restore with deionized water (or equivalent)</p> <p>Reconstitution_Volume: 10 μL (10-100 μL)</p> |
| Buffer: | <p>Buffer: 0.1 % Trifluoroacetic acid</p> <p>Stabilizer: None</p> |
| Preservative: | Without preservative |
| Storage: | 4 °C, -20 °C |
| Storage Comment: | Store vial at 4° C prior to restoration. Dilute only prior to immediate use. Maintain sterility. This 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 |

Handling

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