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# 32-8363: Recombinant Human Platelet-Derived Growth Factor AA/PDGF-AA

**Gene :** PDGFA
**Gene ID :** 5154
**Uniprot ID :** P04085

## Description

Source: E. coli.
MW :14.1kD.
Recombinant Human Platelet-derived growth factor AA is produced by our E.coli expression system and the target gene encoding Ser87-Thr211 is expressed. Platelet-derived growth factor subunit A (PDGFA), belongs to the PDGF/VEGF growth factor family. PDGFA is a secreted protein, stored in platelet alpha-granules and released by platelets upon wounding. PDGFA is potent mitogens for a variety of cell types including smooth muscle cells, connective tissue cells, bone and cartilage cells, and some blood cells. It plays an essential role in the regulation of embryonic development, cell proliferation, cell migration, survival and chemotaxis. PDGFA is required for normal lung alveolar septum formation during embryogenesis, normal development of the gastrointestinal tract, normal development of Leydig cells and spermatogenesis, normal oligodendrocyte development and normal myelination in the spinal cord and cerebellum. It plays an important role in wound healing; Signaling is modulated by the formation of heterodimers with PDGFB.

## Product Info

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|---|---|
| **Amount :** | 10 µg / 50 µg |
| **Content :** | Lyophilized from a 0.2 µm filtered solution of PBS,pH7.4. |
| **Storage condition :** | Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months. |
| **Amino Acid :** | SIEEAVPAVCKTRTVIYEIPRSQVDPTSANFLIWPPCVEVKRCTGCCNTSSVKCQPSRVHHRSVKVAKVEYVRKK PKLKEVQVRLEEHLECACATTSLNPDYREEDTGRPRESGKKRKRKRLKPT |

## Application Note

**Endotoxin :** Less than 0.1 ng/Ã□Âµg (1 IEU/Ã□Âµg) as determined by LAL test.

***For Research Use Only. Not for use in diagnostic/therapeutics procedures.***