

Rev05
Update: Aug,11,2025**DATASHEET**

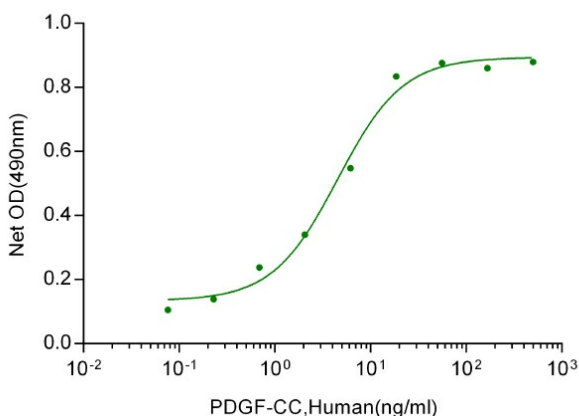
PDGF-CC, Human

Cat. No.: Z03080

Product Introduction

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| Species | Human |
| Protein Construction | PDGF-CC (V1a235-Gly345) Accession # Q9NRA1 |
| Purity | > 95% as analyzed by SDS-PAGE |
| Endotoxin Level | < 0.2 EU/μg of protein by gel clotting method |
| Biological Activity | ED ₅₀ < 1.0 ng/ml, measured in a cell proliferation assay using 3T3 cells. |
| Expression System | HEK 293 |
| Apparent Molecular Weight | 15~19 kDa, on SDS-PAGE under reducing conditions. |
| Formulation | Lyophilized after extensive dialysis against PBS. |
| Reconstitution | It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH ₂ O or PBS up to 100 μg/ml. |
| Storage & Stability | Upon receiving, this product remains stable for up to 6 months at lower than -70°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw cycles. |

Examples

ED₅₀ < 5 ng/ml, measured in a cell proliferation assay using 3T3 cells.

Background

Target Background : Platelet-Derived Growth Factor (PDGF) is a potent mitogen for a wide range of cell types including fibroblasts, smooth muscle, connective tissue, bone and cartilage cells, and some blood cells. The PDGF is involved in a number of biological processes, including hyperplasia, chemotaxis, embryonic neuron development, and respiratory tubule epithelial cell development. The PDGF family consists of proteins derived from four genes (PDGF -A, -B, -C, and -D) that form four disulfide-linked homodimers (PDGF-AA, -BB, -CC, and -DD) and one heterodimer (PDGF-AB).

Synonyms : PDGFCC; FALLOTEIN; SCDGF; platelet derived growth factor C

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.

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