

Rev03
Update: Dec,14,2021

DATASHEET

PDGF-CC, Human

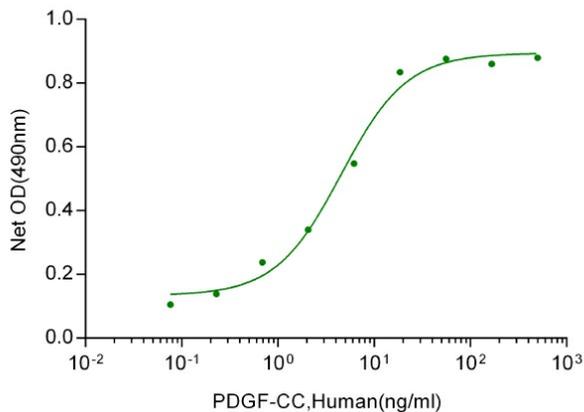
Cat. No.: Z03080

Product Introduction

Species	Human
Protein Construction	PDGF-CC (V1a235-Gly345) Accession # Q9NRA1
Purity	> 95% as analyzed by SDS-PAGE
Endotoxin Level	< 0.2 EU/ μ g 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 μ g/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.