

Datasheet for ABIN935736

Platelet-Derived Growth Factor CC (PDGFCC) (Active) Protein[Go to Product page](#)

Overview

Quantity: 20 µg

Target: Platelet-Derived Growth Factor CC (PDGFCC)

Origin: Human

Source: Escherichia coli (E. coli)

Protein Type: Recombinant

Biological Activity: Active

Product Details

Sequence: MVVDLNLLE EVRLYSCTPR NFSVSIREEL KRTDTIFWPG CLLVKRCGGN CACCLHNCNE
CQCVP SKVTK KYHEVLQLRP KTGVRGLHKS LTDVALEHHE ECDCVCRGST GGCharacteristics: Purified recombinant Human PDGF CC protein
Expression System: E.coli
Bioactivity: Determined by the dose-dependent stimulation of the proliferation of Balb/c 3T3 cells. The expected The ED50 for this effect is 15-20 ng/mL.

Purity: > 98 % pure

Endotoxin Level: < 0.1 ng per µg (1 EU/µg).

Target Details

Target: Platelet-Derived Growth Factor CC (PDGFCC)

Alternative Name: PDGF CC ([PDGFCC Products](#))

Background: The platelet-derived growth factor (PDGF) family of heparin-binding growth factors consists of

Target Details

five known members, denoted PDGF-AA, PDGF-BB, PDGF-AB, PDGF-CC and PDGF-DD. The mature and active form of these proteins, an anti-parallel disulfide-linked dimer of two 12-14 kDa polypeptide chains, is obtained through proteolytic processing of biologically inactive precursor proteins, which contain an N-terminal CUB domain and a PDGF/VEGF homologous domain. The PDGFs interact with two related protein tyrosine kinase receptors, PDGFR-a and PDGFR-beta, and are potent mitogens for a variety of cell types, including smooth muscle cells, connective tissue cells, bone and cartilage cells, and certain tumor cells.

Alternative Names: Osteosarcoma-derived Growth Factor protein, Platelet-Derived Growth Factor-CC protein, ODGF protein, Glioma-derived growth factor protein, PCGF protein, GDGF protein

Application Details

Application Notes:	Each Investigator should determine their own optimal working dilution for specific applications.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Supplied as a lyophilized powder.
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 4 °C until reconstitution. Following reconstitution aliquot and freeze at -20 °C for long term storage.