

Recombinant Human PDGF-CC Protein,His Tag

Specifications

| Product name | Cat.No. | Size |
|---|-----------|--------|
| Recombinant Human PDGF-CC Protein,His Tag | 91606ES10 | 10 µg |
| | 91606ES60 | 100 µg |

Description

The platelet-derived growth factor (PDGF) family of heparin-binding growth factors consists of five known members, denoted PDGF-AA, PDGF-BB, PDGF-AB, PDGF-CC and PDGF-DD. The PDGFs interact with two related protein tyrosine kinase receptors, PDGFR- α and PDGFR- β , and are potent mitogens for a variety of cell types. They play an important role in a number of biological processes, including hyperplasia, chemotaxis, embryonic neuron development, and respiratory tubules' epithelial cell development.

Product information

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| Synonyms | PDGFCC; PDGF-CC |
| Source | E.coli |
| Molecular Weight | Approximately 27 kDa, a disulfide-linked homodimer of two 117 amino acid, C-terminal polyhistidine tagged proteins. |
| AA Sequence | Accession :NP_057289 Val235-Gly345, with an N-terminal Met and 6-His tag; |
| Biological Activity | Measured in a cell proliferation assay using NR6R-3T3 mouse fibroblast cells. The ED ₅₀ for this effect is 70-350 ng/mL. |
| Purity | > 97% by SDS-PAGE. |
| Endotoxin | <0.1EU per 1µg of the protein by the LAL method. |
| Formulation | Lyophilized from 0.2 µm filtered concentrated solution in 30 % Acetonitrile and 0.1 % TFA. |
| Reconstitution | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in 4 mM HCl to a concentration of 0.1 mg/mL. Further dilutions should be made in appropriately buffered solutions. |

Storage

The product should be stored at -25~-15°C for 1 year from date of receipt.

1 month, 2~8 °C under sterile conditions after reconstitution.

3 months, -25~-15°C under sterile conditions after reconstitution.



Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

Notes

1. Please operate with lab coats and disposable gloves, for your safety.
2. This product is for research use only.