

PRODUCT DATASHEET

PDGF-AA Human E. coli

Cat. No.: RD172577100

Type: Recombinant protein

Size: 0.1 mg

Source: E. coli

Species: Human

Description

Total 132 AA. MW: 15.3 kDa (calculated). UniProtKB acc. no. P04085 (Ser87-Thr211). Initial methionine and C-terminal His-tag. Homodimer. Protein identity confirmed by LC-MS/MS.

Other names

Platelet-Derived Growth Factor-AA, Platelet-derived growth factor subunit A, Platelet-derived growth factor A chain, Platelet-derived growth factor alpha polypeptide, PDGFA, PDGF-A, PDGF-1, PDGF1

Introduction to the molecule

Research topic

Animal studies, Bone and cartilage metabolism, Cardiovascular disease, Coronary artery disease, Immune Response, Infection and Inflammation, Neural tissue markers, Oncology

Amino Acid sequence

MSIEEAVPAV CKTRTVIYEI PRSQVDPTSA NFLIWPPCVE VKRCTGCCNT SSVKCQPSRV HHRSVKVAKV EYVRKKPKLK EVQVRLEEHL
ECACATTS LN PDYREEDTGR PRES GKRRKR KRLKPTHHHH HH

Purity

Purity as determined by densitometric image analysis: > 90%

Endotoxin

< 0.1 EU/μg

Formulation:

Filtered (0.4 μm) and lyophilized from 0.5 mg/ml solution in 20 mM Tris buffer, 50 mM NaCl, pH 7.5.

Reconstitution:

Add deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely.

Shipping

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

Storage, Stability/Shelf Life

Store lyophilized protein at -80°C. Lyophilized protein remains stable until the expiry date when stored at -80°C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80°C for long term storage. Reconstituted protein can be stored at 4°C for a week.

Quality control

BCA to determine quantity of the protein.

SDS PAGE to determine purity of the protein.

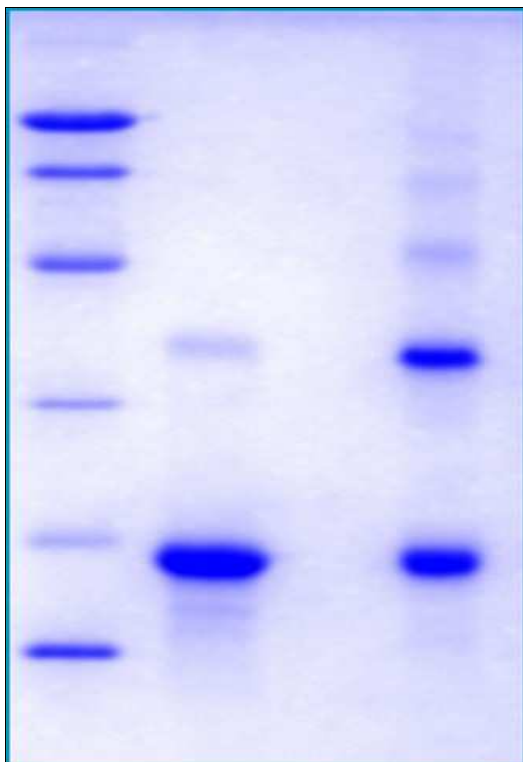
LAL to determine quantity of endotoxin.

Applications

ELISA, Western blotting

Note

This product is intended for research use only.



14 % SDS-PAGE separation of Human PDGF-A (E.coli):

1. M.W. marker – 14, 21, 31, 45, 66, 97 kDa
2. Reduced and boiled sample, 2.5 µg/lane
3. Non-reduced and non-boiled sample, 2.5 µg/lane