


CA1078	HumanKine™ PDGFaa			
	Prod. No. S2336-10UG <i>For Research Use Only</i> <i>Not intended for use in humans or animals</i>	lot #: PRXXXXXX XXXX	Orders & Support Web	866 372-7442 support@primorigen.com www.primorigen.com

Pack Size	10 µg
Species	Human
Expression System	HEK 293*
	Animal-derived product free
Molecular Mass	35, 40, 45 kDa homodimer, glycosylated
Activity	Typically 200 to 1000 ng/mL
Purity	≥ 95%
Endotoxin	≤ 1 EU/µg

Background:

Recombinant human PDGFaa expressed in engineered human cells. PDGFaa is disulfide linked homodimeric glycoprotein which is expressed as a mixture of pro-form, premature and mature dimers with an apparent molecular mass of 35, 40 and 45 kDa. PDGFaa belongs to the PDGF/VEGF protein family. PDGFaa is a growth factor for connective tissue and glial cells. Functional PDGFaa is plays a role in embryonic development, angiogenesis, cell proliferation and cell migration.

Note: Representative data are shown below (not Lot-specific).

Formulation:

Lyophilized in 10mM HOAc.

Reconstitution:

Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile PBS containing 0.1% endotoxin-free recombinant human serum albumin.

Storage and Stability:

Lyophilized products are stable for one year at -20°C to -80°C from date of receipt. Store only at -20°C to -80°C in working aliquots. Avoid repeated freeze-thaw cycles.

Quality Control Testing

Assay:

The specific activity was determined by dose-dependent stimulation of the proliferation of 3T3 cells.

Purity Confirmation:

The protein was resolved by SDS-polyacrylamide gel electrophoresis and the gel was stained with Coomassie blue.

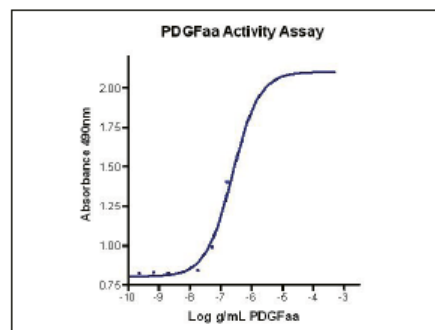
References:

Raines, E. W., et al (1985) Methods Enzymology 109, 749-773

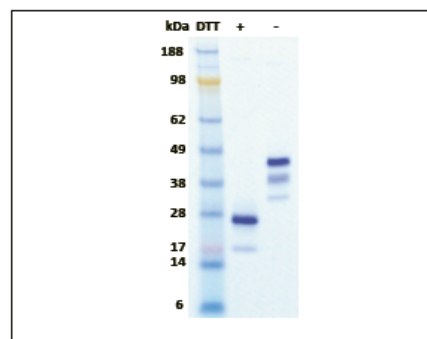
Tallquist, M., et al (2004) Cytokine and Growth Factor Reviews, 15, 205-213

**All HumanKine™ cytokines are expressed in HEK 293 cells.
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A. Activity Assay



B. SDS-PAGE



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