

HumanKine[®] PDGF_{aa} (Recombinant Human)



Animal Component-Free	Human cell expressed	Tag-Free	Endotoxin Free
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Product Description

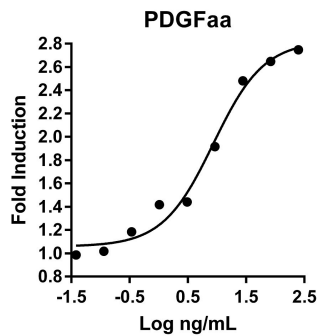
Animal-free Recombinant Human PDGF_{aa} is expressed in human 293 cells as a mixture of pro-dimers, pro-mature and mature dimers with an apparent molecular mass of 35 to 45 kDa. The cytokine is produced in a human cell expression system with serum free, chemically defined media.

Alternative Names	PDGF 1, PDGF A, PDGF subunit A, PDGF1, PDGFA, PDGF _{aa}
Source	Human Embryonic Kidney cells (HEK293). HEK293-derived PDGF _{aa} protein

Specifications

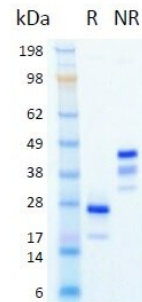
Test	Method	Specification
Activity	Dose-dependent stimulation of the proliferation of 3T3 cells	Typically ≤ 10 ng/mL EC50
Molecular Mass	SDS-PAGE	35, 40 and 45 kDa, homodimer, glycosylated
Purity	SDS-PAGE	>95%
Endotoxin	LAL	<1 EU/ μ g

Activity Data



The activity was determined by the dose-dependent stimulation of the proliferation of 3T3 cells using the Promega CellTiter96[®] Aqueous Non-Radioactive Cell Proliferation Assay.

SDS-PAGE



Preparation	
Shipping Temperature	ambient temperature
Formulation	10 mM HOAc, See Certificate of Analysis for details
Reconstitution	Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile 10 mM HOAc containing 0.1% endotoxin-free recombinant human serum albumin (HSA).

Stability and Storage	Product Form	Temperature Conditions	Storage Time (From Date of Receipt)
	Lyophilized	-20°C to -80°C	Until Expiry Date
	Lyophilized	Room Temperature	2 weeks
	Reconstituted as per CofA	-20°C to -80°C	6 months
	Reconstituted as per CofA	4°C	1 week
Avoid repeated freeze-thaw cycles.			

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