

HumanKine[®] recombinant human PDGF α protein



Animal Component-Free

Human cell expressed

Tag-Free

Endotoxin Free

Product Description

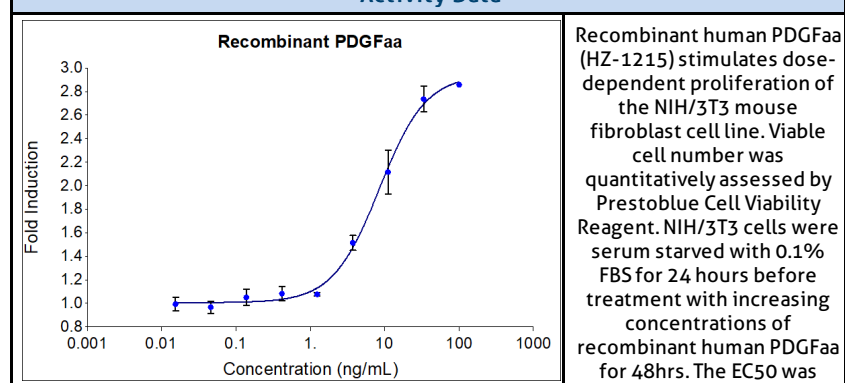
Animal-free Recombinant Human PDGF α is expressed in human 293 cells as a mixture of pro-dimers, pro-mature and mature dimers with an apparent molecular mass of 35 to 45 kDa. The cytokine is produced in a human cell expression system with serum free, chemically defined media.

Alternative Names	PDGF 1, PDGF A, PDGF subunit A, PDGF1, PDGF α , PDGF α
Source	Human Embryonic Kidney cells (HEK293). HEK293-derived PDGF α protein
Species Reactivity	human,mouse

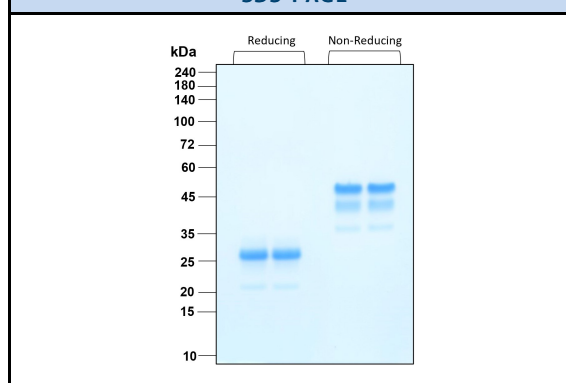
Specifications

Test	Method	Specification
Activity (EC ₅₀)	Dose-dependent stimulation of the proliferation of 3T3 cells. Dose-dependent stimulation of the proliferation of NIH 3T3 cells with low serum medium containing BSA and Dexamethasone	Typically ≤ 10 ng/mL in 3T3 cell, 150 - 900 ng/mL in NIH 3T3
Molecular Mass	SDS-PAGE	19 and 26 reduced, 35, 40 and 45 kDa non-reduced, homodimer, glycosylated
Purity	SDS-PAGE	>95%
Endotoxin	LAL	<1 EU/ μ g

Activity Data



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 to 0.2 mg/mL in sterile 10 mM HOAc containing 0.1% endotoxin-free recombinant human serum albumin (HSA). Gently swirl or tap vial to mix.

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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