

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



| | | | |
|-----------------------|----------------------|----------|----------------|
| Animal Component-Free | Human cell expressed | Tag-Free | Endotoxin Free |
|-----------------------|----------------------|----------|----------------|

Product Description

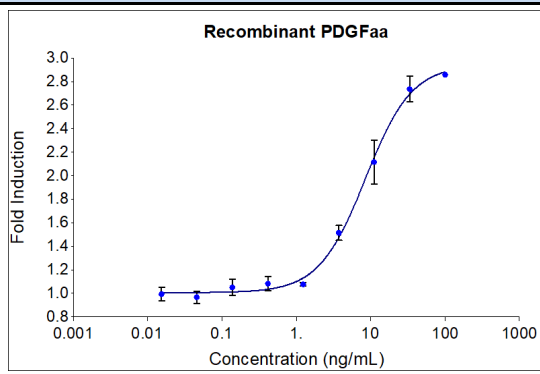
Animal-free Recombinant Human PDGF_{aa} is expressed in human 293 cells as a mixture of pro-dimers, pro-mature and mature dimers with an apparent molecular mass of 35 to 45 kDa. The cytokine is produced in a human cell expression system with serum free, chemically defined media.

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

Specifications

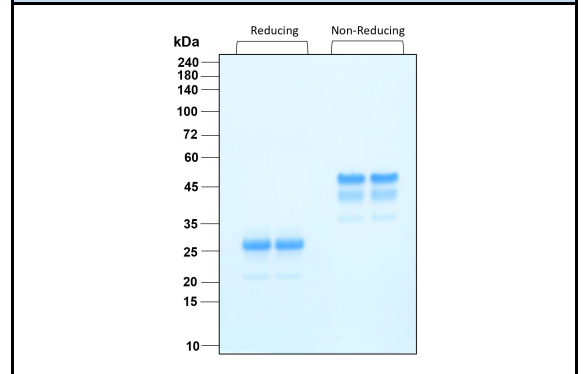
| Test | Method | Specification |
|----------------|--|--|
| Activity | Dose-dependent stimulation of the proliferation of 3T3 cells | Typically ≤ 10 ng/mL EC50 |
| Molecular Mass | SDS-PAGE | 35, 40 and 45 kDa, homodimer, glycosylated |
| Purity | SDS-PAGE | >95% |
| Endotoxin | LAL | <1 EU/ μ g |

Activity Data



Recombinant human PDGF_{aa} (HZ-1215) stimulates dose-dependent proliferation of the NIH/3T3 mouse fibroblast cell line. Viable cell number was quantitatively assessed by Prestoblu^e Cell Viability Reagent. NIH/3T3 cells were serum starved with 0.1% FBS for 24 hours before treatment with increasing concentrations of recombinant human PDGF_{aa} for 72hrs. The EC50 was

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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