



## RayBiotech, Inc.

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# Certificate of Analysis and Data Sheet

## Recombinant Human PDGF AA Homodimer

**Catalog No.**  
DS-01-0488

**Target Species**  
Human

### Preparation

**Synonyms:** PDGF1

Recombinant protein prepared from *E. Coli*

### Formulation

**Product Type:** Recombinant Protein

**Product Form:** Purified recombinant protein – lyophilized

**Preservative Stabilizers:** None present

**Reconstitution:** Reconstitute with 10ul of 10mM acetic acid

**Molecular Weight:** 26.5kD (250 amino acid sequence)

**Purity:** >98% by SDS PAGE and N-terminal sequence analysis.

**Endotoxin Level:** <0.1ng/mg

**Approx. Protein Concentrations:** 1.0 mg/ml

### Specificity

Platelet derived growth factor (PDGF) is a potent mitogen, acting on cell types such as fibroblasts and smooth muscle cells. PDGF is a dimeric protein being composed of A and B chains. The dimer may be formed from AA, BB or AB chain combinations.

### Applications

**Table Summary of protein applications and working conditions**

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Functional Assays	•			0.2ng/ml - 10ng/ml
ELISA			•	

**Note:** Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.

**The products are furnished for LABORATORY RESEARCH USE ONLY.  
Not for diagnostic or therapeutic use.**



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### ***Storage***

Prior to reconstitution store at +4°C. Following reconstitution store at -20°C.

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use.

**Shelf Life:** 3 months from date of reconstitution

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