

PDGF BBHuman, Platelet Derived Growth Factor-BB Human Recombinant Protein, Yeast

Catalog Number: PROTP01127

Introduction

PDGF-BB is a member of the platelet-derived growth factor family. The four members of this family are mitogenic factors for cells of mesenchymal origin and are characterized by a motif of eight cysteines. This gene product can exist either as a homodimer (PDGF-BB) or as a heterodimer with the platelet-derived growth factor alpha polypeptide (PDGF-AB), where the dimers are connected by disulfide bonds. Mutations in this gene are associated with meningioma. Reciprocal translocations between chromosomes 22 and 7, at sites where this gene and that for COL1A1 are located, are associated with a particular type of skin tumor called dermatofibrosarcoma protuberans resulting from unregulated expression of growth factor. Two splice variants have been identified for this gene.

Overview

Product Name	PDGF BBHuman, Platelet Derived Growth Factor-BB Human Recombinant Protein, Yeast
Description	Platelet-Derived Growth Factor BB Human Recombinant is a glycosylated homodimer produced in <i>Saccharomyces cerevisiae</i> , containing 2x10 ⁹ amino acids and having a molecular mass of 32kDa. PDGF-BB is purified by proprietary chromatographic techniques.
Source	<i>Saccharomyces cerevisiae</i> .
Formulation	

Storage

Lyophilized Platelet-derived Growth Factor BB although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution PDGF BB should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

Purity

Greater than 98.0% as determined by SDS-PAGE.

Amino Acid Sequence

The sequence of the first five N-terminal amino acids was determined and was found to be Ser-Leu-Gly-Ser-Leu.

Biological Activity

The ED₅₀

Usage

Boster's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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