

Product Information

MemDX™ Membrane Protein Human PDGFRB (Platelet derived growth factor receptor beta) expressed in Sf9 for Antibody Discovery

Cat. No.: **MP0089Q**

This product is for research use only and is not intended for diagnostic use.

This product is a 56.2 kDa Human PDGFRB membrane protein expressed in Sf9. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

PDGFRB

Protein Length

Partial

Protein Class

Druggable Genome, ES Cell Differentiation/IPS, Protein Kinase, Transmembrane

Molecular Weight

56.2 kDa

TMD

1

Sequence

MRLPGAMPALALKGELLLSLLLLLEPQISQGLVTPPGPELVLNVSSTFVLTCGSAPVWERMHQEPPQEMAKAQDGTFSVLT

Product Description

Expression Systems

Sf9

Tag

C-DDK

Form

Powder

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

50mM Tris-HCl, pH8.0, 100mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target

Target Protein

PDGFRB

Full Name

Platelet derived growth factor receptor beta

Introduction

The protein encoded by this gene is a cell surface tyrosine kinase receptor for members of the platelet-derived growth factor family. These growth factors are mitogens for cells of mesenchymal origin. The identity of the growth factor bound to a receptor monomer determines whether the functional receptor is a homodimer (PDGFB or PDGFD) or a heterodimer (PDGFA and PDGFB). This gene is essential for normal development of the cardiovascular system and aids in rearrangement of the actin cytoskeleton. This gene is flanked on chromosome 5 by the genes for granulocyte-macrophage colony-stimulating factor and macrophage-colony stimulating factor receptor; all three genes may be implicated in the 5-q syndrome. A translocation between chromosomes 5 and 12, that fuses this gene to that of the ETV6 gene, results in chronic myeloproliferative disorder with eosinophilia.

Alternative Names

CD140B; IBGC4; IMF1; JTK12; KOGS; PDGFR; PDGFR-1; PDGFR1; PENTT; platelet-derived growth factor receptor beta; Activated tyrosine kinase PDGFRB; CD140 antigen-like family member B; NDEL1-PDGFRB; PDGF-R-beta; PDGFR-beta; platelet-derived growth factor receptor, beta polypeptide; Platelet-derived growth factor receptor beta; Beta-type platelet-derived growth factor receptor; CD140 antigen-like family member B; Platelet-derived growth factor receptor 1; CD140b

Gene ID

[5159](#)

UniProt ID

[P09619](#)