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Product Information

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

Cat. No.: **MP1276J**
This product is for research use only and is not intended for diagnostic use.

This product is a 57.17 kDa Human PDGFRB membrane protein expressed in E. coli. 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
Full-length

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

Molecular Weight
57.17 kDa

TMD
1

Sequence
LVVTPPGPELVLNVSSTFVLTCSGSAPVVWERMSQEPPQEMAKAQDGTFSSVLTLTNLTGLDTGEYFCTHNDSRGLETDERKRLYI

Product Description

Expression Systems
E. coli

Tag
C-His

Form
Liquid

Endotoxin

< 1 EU/μg

Purity

> 95% as determined by SDS-PAGE and Coomassie blue staining

Buffer

0.2 μM filtered solution of 20mM PB, 150mM NaCl, pH 7.2

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

Gene ID

5159

UniProt ID

P09619

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