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Product Information

MemDX™ Human PDGFRa BaF3 Cell Line

Cat. No.: **S01YF-1222-KX751**
This product is for research use only and is not intended for diagnostic use.

Product Information

Target Protein
PDGFRa

Target Protein Species
Human

Accession Number
NM_001347829.1

Protein Tag
Tag-free

Host Cell Type
BaF3

Target Classification
Kinases/Enzyme

Target Family
Kinases/Enzyme

Target Research Area
Cancer Research; Cardiovascular Research; Digestive and Renal Research

Related Diseases
Gist-Plus Syndrome; Hypereosinophilic Syndrome

Product Properties

Morphology
Suspension

Assay Types
Drug screening and biological assays

Resistance
Puromycin

Stability

10 passages

Mycoplasma Testing

Negative

Biosafety Level

Level 1

Activity

Yes

Quantity

5x10^6 cells

Form

Frozen cells

Freeze Medium

70% RPMI 1640 + 20% FBS + 10% DMSO

Culture Medium

RPMI 1640 + 10% FBS

Selective Antibiotic(s)

Regular antibiotics active against mycoplasmas, bacteria and fungi.

Handling Notes

Frozen cells should be thawed immediately upon receipt and grown according to handling procedure to ensure cell viability and proper assay performance.
Note: Do not freeze the cells upon receipt as it may result in irreversible damage to the cell line.
Disclaimer: We cannot guarantee cell viability if the cells are not thawed immediately upon receipt and grown according to handling procedure.

Incubation

37°C with 5% CO_2

Applications

Drug screening and biological assays

Application Notes

Cells were plated in a 384-well plate and incubated overnight at 37°C and 5% CO_2 to allow the cells to attach and grow. Cells were then stimulated with a control for high-throughput drugs screening andfunctional assays.

Use Restrictions

These cells are distributed for research use only.

Shipping

Dry ice

Storage

Liquid nitrogen

Target

Full Name

Platelet derived growth factor receptor alpha

Introduction

This gene encodes 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 or a heterodimer, composed of both platelet-derived growth factor receptor alpha and beta polypeptides. Studies suggest that this gene plays a role in organ development, wound healing, and tumor progression. Mutations in this gene have been associated with idiopathic hypereosinophilic syndrome, somatic and familial gastrointestinal stromal tumors, and a variety of other cancers.

Alternative Names

PDGFRA; CD140A; PDGFR2; PDGFR-2; platelet-derived growth factor receptor alpha; CD140 antigen-like family member A; CD140a antigen; PDGF-R-alpha; alpha-type platelet-derived growth factor receptor; platelet-derived growth factor receptor 2; platelet-derived growth factor receptor, alpha polypeptide; Platelet derived growth factor receptor alpha

Gene ID

5156

UniProt ID

P16234

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