

Product Information

MemDX™ Human IGF1R BaF3 Cell Line

Cat. No.: **S01YF-1222-KX805**

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

Product Information

Target Protein

IGF1R

Target Protein Species

Human

Accession Number

NM_000875.5

Protein Tag

Tag-free

Host Cell Type

BaF3

Target Classification

Kinases/Enzyme

Target Family

Kinases/Enzyme

Target Research Area

Metabolic Research

Related Diseases

Insulin-Like Growth Factor I; Nk-Cell Enteropathy

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

5x10⁶ 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% CO₂

Applications

Drug screening and biological assays

Application Notes

Cells were plated in a 384-well plate and incubated overnight at 37°C and 5% CO₂ to allow the cells to attach and grow. Cells were then stimulated with a control for high-throughput drugs screening and functional assays.

Use Restrictions

These cells are distributed for research use only.

Shipping

Dry ice

Storage

Liquid nitrogen

Target

Full Name

Insulin like growth factor 1 receptor

Introduction

This receptor binds insulin-like growth factor with a high affinity. It has tyrosine kinase activity. The insulin-like growth factor I receptor plays a critical role in transformation events. Cleavage of the precursor generates alpha and beta subunits. It is highly overexpressed in most malignant tissues where it functions as an anti-apoptotic agent by enhancing cell survival. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.

Alternative Names

IGF1R; IGFR; CD221; IGFIR; JTK13; insulin-like growth factor 1 receptor; IGF-I receptor; soluble IGF1R variant 1; soluble IGF1R variant 2; Insulin like growth factor 1 receptor

Gene ID

[3480](#)

UniProt ID

[P08069](#)