

# Product Information

## MemDX™ Human AXL BaF3 Cell Line

Cat. No.: **S01YF-1222-KX826**

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

### Product Information

#### Target Protein

AXL

#### Target Protein Species

Human

#### Accession Number

NM\_001699.3

#### Protein Tag

Tag-free

#### Host Cell Type

BaF3

#### Target Classification

Kinases/Enzyme

#### Target Family

Kinases/Enzyme

#### Target Research Area

Metabolic Research

#### Related Diseases

Hypogonadotropic Hypogonadism; 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**

5x10<sup>6</sup> 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<sub>2</sub>

### **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<sub>2</sub> 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**

### Introduction

The protein encoded by this gene is a member of the Tyro3-Axl-Mer (TAM) receptor tyrosine kinase subfamily. The encoded protein possesses an extracellular domain which is composed of two immunoglobulin-like motifs at the N-terminal, followed by two fibronectin type-III motifs. It transduces signals from the extracellular matrix into the cytoplasm by binding to the vitamin K-dependent protein growth arrest-specific 6 (Gas6). This gene may be involved in several cellular functions including growth, migration, aggregation and anti-inflammation in multiple cell types. Alternative splicing results in multiple transcript variants of this gene.

### Alternative Names

AXL; ARK; UFO; JTK11; Tyro7; tyrosine-protein kinase receptor UFO; AXL oncogene; AXL transforming sequence/gene; AXL receptor tyrosine kinase

### Gene ID

[558](#)

### UniProt ID

[P30530](#)