

# Product Information

## MemDX™ Human NECTIN4 HEK293T Cell Line

Cat. No.: **S01YF-0123-KX175**

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

### Product Information

#### Target Protein

NECTIN4

#### Target Protein Species

Human

#### Accession Number

NM\_030916.3

#### Protein Tag

Tag-free

#### Host Cell Type

HEK293T

#### Target Classification

Immune Checkpoint

#### Target Family

Immune Checkpoint

#### Target Research Area

Metabolic Research

#### Related Diseases

Ectodermal Dysplasia-Syndactyly Syndrome; Measles

### Product Properties

#### Morphology

Fibroblastoid cells growing as a monolayer

#### Assay Types

Drug screening and biological assays

#### Resistance

Puromycin

#### Mycoplasma Testing

Negative

**Sterility Testing**

10 passages

**Biosafety Level**

Level 1

**Activity**

Yes

**Quantity**

5x10<sup>6</sup> cells

**Form**

Frozen cells

**Freeze Medium**

70% DMEM + 20% FBS + 10% DMSO

**Culture Medium**

DMEM + 10% FBS + 0.5µg/mL Puromycin

**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

This gene encodes a member of the nectin family. The encoded protein contains two immunoglobulin-like (Ig-like) C2-type domains and one Ig-like V-type domain. It is involved in cell adhesion through trans-homophilic and -heterophilic interactions. It is a single-pass type I membrane protein. The soluble form is produced by proteolytic cleavage at the cell surface by the metalloproteinase ADAM17/TACE. The secreted form is found in both breast tumor cell lines and breast tumor patients. Mutations in this gene are the cause of ectodermal dysplasia-syndactyly syndrome type 1, an autosomal recessive disorder. Alternatively spliced transcript variants have been found but the full-length nature of the variant has not been determined.

### Alternative Names

NECTIN4; LNIR; PRR4; EDSS1; PVRL4; nectin-4; nectin-4; Ig superfamily receptor LNIR; nectin 4; poliovirus receptor-related 4; poliovirus receptor-related protein 4; Nectin cell adhesion molecule 4

### Gene ID

[81607](#)

### UniProt ID

[Q96NY8](#)