

# Product Information

## MemDX™ Rat CCR8 HEK293T Cell Line

Cat. No.: **S01YF-0123-KX48**

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

### Product Information

#### Target Protein

CCR8

#### Target Protein Species

Rat

#### Accession Number

XM\_008766702.2

#### Protein Tag

Tag-free

#### Host Cell Type

HEK293T

#### Target Classification

GPCR

#### Target Family

Chemokine Receptors

#### Target Research Area

Cancer Research; Infectious Research; Inflammation Research

#### Related Diseases

Molluscum Contagiosum; Kaposi Sarcoma

### Product Properties

#### Morphology

Epithelial

#### 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 + 1µg/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**

## C-C motif chemokine receptor 8

### Introduction

Predicted to enable C-C chemokine binding activity and C-C chemokine receptor activity. Predicted to be involved in several processes, including calcium-mediated signaling; cell chemotaxis; and positive regulation of cytosolic calcium ion concentration. Predicted to act upstream of or within chemotaxis. Predicted to be integral component of membrane. Predicted to be active in external side of plasma membrane. Biomarker of asthma and pulmonary fibrosis. Orthologous to human CCR8 (C-C motif chemokine receptor 8).

### GPCR Signaling Pathway

The endogenous ligand is CC chemokines. Targeted protein activation can cause binding of Gi to Go protein which, in turn, cause an inhibition of adenylate cyclase and then decrease of cAMP concentration.

### G coupling

Gi & Go

### Endogenous Ligand

CC chemokines

### Alternative Names

C-C chemokine receptor type 8; chemokine (C-C motif) receptor 8

### Gene ID

[301066](#)

### UniProt ID

[D4ADE0](#)