

Product Information

MemDX™ Recombinant Human ACKR2 Membrane Protein in Virus-Like Particles (MP-VLPs)

Cat. No.: **S01YF-0622-KX152**

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

This product is recombinant Human ACKR2 in VLPs form. This product is produced from HEK293 by co-expressing the retroviral structural core polyprotein (gag) and the target membrane protein. MP-VLPs display highly-expressed copies of membrane proteins in their native conformation, providing an alternative to membrane protein stable cell lines, membrane preparations, detergent-solubilized proteins and other membrane protein preparation strategies. MP-VLPs can be used for a wide range of applications in antibody production, antibody discovery, antibody characterization, binding assays and functional assays.

Product Specifications

Host Species

Human

Target Protein

ACKR2

Protein Length

Full length

Protein Class

GPCR

TMD

7

Sequence

MAATASPQPLATEDADSENSSFYYDYLDVAFMLCRKDAVVSFGKVFLPVFYSLIFVLGLSGNLLLLMVLLRYVPRRRMVEIYLLNL

Product Description

Application

ELISA; Antibody Production; Antibody Discovery; Antibody Characterization; Binding Assays; Functional Assays

Expression Systems

HEK293 expression system

Tag

10xHis tag at the C-terminus

Protein Format

Membrane Protein-Virus Like Particles (MP-VLPs)

Form

Liquid

Buffer

PBS, 6% Trehalose, pH 7.4

Storage

The product should be stored at -20°C or lower. Avoid freeze-thaw cycles.

Target**Target Protein**

ACKR2

Full Name

Atypical chemokine receptor 2

Introduction

This gene encodes a beta chemokine receptor, which is predicted to be a seven transmembrane protein similar to G protein-coupled receptors. Chemokines and their receptor-mediated signal transduction are critical for the recruitment of effector immune cells to the inflammation site. This gene is expressed in a range of tissues and hemopoietic cells. The expression of this receptor in lymphatic endothelial cells and overexpression in vascular tumors suggested its function in chemokine-driven recirculation of leukocytes and possible chemokine effects on the development and growth of vascular tumors. This receptor appears to bind the majority of beta-chemokine family members; however, its specific function remains unknown. This gene is mapped to chromosome 3p21.3, a region that includes a cluster of chemokine receptor genes.

Alternative Names

ACKR2; D6; hD6; CCR9; CCBP2; CCR10; CMKBR9; C-C chemokine receptor D6; CC-chemokine-binding receptor JAB61; chemokine (C-C motif) receptor 9; chemokine (C-C) receptor 9; chemokine receptor CCR-10; chemokine receptor CCR-9; chemokine receptor D6; chemokine-binding protein 2; chemokine-binding protein D6; Atypical chemokine receptor 2

Gene ID

[1238](#)

UniProt ID

[O00590](#)