

Product Information

MemDX™ Recombinant Human IL13RA1 Membrane Protein in Virus-Like Particles (MP-VLPs)

Cat. No.: **S01YF-0622-KX123**

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

This product is recombinant Human IL13RA1 in VLPs form. This product is produced from HEK293 by co-expressing the retroviral structural core polypeptide (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

IL13RA1

Protein Length

Full length

Protein Class

Receptor

TMD

1

Sequence

GGGGAAPTETQPPVTNLSVSVENLCTVIWTWNPPEGASSNCSLWYFSHFQDKQDKKIAPETRRSIEVPLNERICLQVGSQCSTNES

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

IL13RA1

Full Name

Interleukin 13 receptor subunit alpha 1

Introduction

The protein encoded by this gene is a subunit of the interleukin 13 receptor. This subunit forms a receptor complex with IL4 receptor alpha, a subunit shared by IL13 and IL4 receptors. This subunit serves as a primary IL13-binding subunit of the IL13 receptor, and may also be a component of IL4 receptors. This protein has been shown to bind tyrosine kinase TYK2, and thus may mediate the signaling processes that lead to the activation of JAK1, STAT3 and STAT6 induced by IL13 and IL4.

Alternative Names

IL13RA1; NR4; CT19; CD213A1; IL-13Ra; interleukin-13 receptor subunit alpha-1; CD213a1 antigen; IL-13 receptor subunit alpha-1; IL-13R subunit alpha-1; IL13 receptor alpha-1 chain; cancer/testis antigen 19; interleukin 13 receptor, alpha 1; Interleukin 13 receptor subunit alpha 1

Gene ID

[3597](#)

UniProt ID

[P78552](#)