

Product Information

MemDX™ Recombinant Human C5AR1 Membrane Protein in Virus-Like Particles (MP-VLPs)

Cat. No.: **S01YF-0622-KX56**

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

This product is recombinant Human C5AR1 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

C5AR1

Protein Length

Full length

Protein Class

GPCR

Molecular Weight

41.1 kDa

TMD

7

Sequence

MDSFNYYTTPDYGHYDDKDTLDLNTVPDKTSNTLRVPDILALVIFAVVFLVGVLGNALVWVTAFAEAKRTINAIWFLNLAVADFLSCLAL

Product Description

Activity

Yes

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

Endotoxin

<1.0 EU per µg by the LAL method

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**

C5AR1

Full Name

Complement C5a receptor 1

Alternative Names

C5A; C5AR; C5R1; CD88; C5a anaphylatoxin chemotactic receptor 1; C5a anaphylatoxin receptor; C5a ligand; C5a-R; complement component 5a receptor 1; C5AR1; Complement C5a receptor 1

Gene ID

[728](#)

UniProt ID

[P21730](#)