

Product Information

MemDX™ Membrane Protein Human C5AR1 (Complement C5a receptor 1) for Antibody

Discovery

Cat. No.: **MP0596J**

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

This product is a 39.1 kDa Human C5AR1 membrane protein expressed in HEK293T. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

C5AR1

Protein Length

Full-length

Protein Class

Druggable Genome, GPCR, Transmembrane

Molecular Weight

39.1 kDa

TMD

7

Sequence

MNSFNYYTTPDYGHYDDKDTLDLNTVPDKTSNTLRVPDILALVIFAVVFLVGVLGNALVWVWTAFAEKRTI
NAIWFLNLAVADFLSCLALPILFTSIVQHWHWPFGGAACSLPSLILLNMYASILLLATISADRFLLVFK
PIWCQNFRGAGLAWIACAVAWGLALLLTIPSFLYRVVREEYFPPKVLGVDYSHDKRRERAVAIVRLVLG
FLWPLLTLTICYTFILLRTWSRRATRSTKTLKVVAVVASFFIFWLPYQVTGIMMSFLEPSSPTFLLNK
LDSLCSVSFAYINCCINPIIYVAGQGFGQRLRKSLPSLLRNVLTEESVVRESKSFTTRSTVDTMAQKTQAV

Product Description

Expression Systems

HEK293T

Tag

C-Myc/DDK

Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target**Target Protein**

C5AR1

Full Name

Complement C5a receptor 1

Introduction

Receptor for the chemotactic and inflammatory peptide anaphylatoxin C5a. The ligand interacts with at least two sites on the receptor: a high-affinity site on the extracellular N-terminus, and a second site in the transmembrane region which activates downstream signaling events. Receptor activation stimulates chemotaxis, granule enzyme release, intracellular calcium release and superoxide anion production.

Alternative Names

C5A; C5AR; C5R1; CD88

Gene ID

[728](#)

UniProt ID

[P21730](#)