

Product Information

MemDX™ Membrane Protein Human C3AR1 (Complement C3a receptor 1) with GST-tag for Antibody Discovery

Cat. No.: **MP0143X**

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

This product is a 80.3 kDa Human C3AR1 membrane protein expressed in *in vitro* wheat germ expression system. 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

C3AR1

Protein Length

Full-length

Molecular Weight

80.3 kDa

TMD

7

Sequence

MASFSAETNSTDLLSQPWNEPPVILSMVILSLTFLLGLPGNGLVLWVAGLKMQRVTNTIWFLHLTLADLLCCLSLPFSLAHLALQGQV

Product Description

Application

Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

Expression Systems

in vitro wheat germ expression system

Tag

GST-tag at N-terminal

Form

Liquid

Purification

Glutathione Sepharose 4 Fast Flow

Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer

Storage

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

Target**Target Protein**

C3AR1

Full Name

Complement C3a receptor 1

Introduction

C3a is an anaphylatoxin released during activation of the complement system. The protein encoded by this gene is an orphan G protein-coupled receptor for C3a. Binding of C3a by the encoded receptor activates chemotaxis, granule enzyme release, superoxide anion production, and bacterial opsonization

Alternative Names

AZ3B; C3AR; HNFAG09; complement component 3 receptor 1

Gene ID

[719](#)

UniProt ID

[Q16581](#)