

# Product Information

## MemDX™ Membrane Protein Human C3AR1 (Complement C3a receptor 1) for Antibody

### Discovery

Cat. No.: **MP0657J**

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

This product is a 53.7 kDa Human C3AR1 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

C3AR1

#### Protein Length

Full-length

#### Protein Class

Druggable Genome, GPCR, Transmembrane

#### Molecular Weight

53.7 kDa

#### TMD

7

#### Sequence

MASFSAETNSTDLLSQPWNEPPVILSMVILSLTFLLGLPGNGLVLWVAGLKMQRVTNTIWFHLTLADLL  
CCLSLPFSLAHLALQGQWPYGRFLCKLIPSIIVLNMFASVFLLTALSLDRCLVVFKEPIWCQNHRNVGMAC  
SICGCIWVVAFVMCIPVFVYREIFTTDNHNRCGYKFGLSLSDYPDFYGDPLENRSLENIVQPPGEMNDR  
LDPSSFQTNHDPWTVPTVFQPTFQRPSADSLPRGSARLTSQNLYSNVFKPADVVSPKIPSGFPIEDHET  
SPLDNSDAFLSTHLKLFPSASSNSFYSELPPQGFQDYNNLGQFTDDQVPTPLVAITITRLVVGFLPSV  
IMIACYSFIVFRMQRGRFAKSQSKTFRVAVVVAVFLVCWTPYHIFGVLSLLTDPETPLGKTLMSWDHVC  
IALASANSFCNPFLYALLGKDFRKKARQSIQGILEAAFSEELTRSTHCPSNNVISERNSTTV

### 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**

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

**Gene ID**

[719](#)

**UniProt ID**

[Q16581](#)