

## Product Information

### MemDX™ Membrane Protein Human ACKR1 (Atypical chemokine receptor 1 (Duffy blood group))

Cat. No.: **MP0256J**

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

This product is a 35.4 kDa Human ACKR1 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

ACKR1

##### Protein Length

Full-length

##### Protein Class

Druggable Genome, GPCR, Transmembrane

##### Molecular Weight

35.4 kDa

##### TMD

7

##### Sequence

MGNCLHRAELSPSTENSSQLDFEDVWNSSYGVNDSFPDGDYGANLEAAAPCHSCNLLDDSA LPFFILTSV  
LGILASSTVLFMLFRPLFRWQLCPGWPVLAQLAVGSALFSIVVPVLAPGLGSTRSSALCSLGYCVWYGSA  
FAQALLLGCHASLGHR LGAGQVPGLTLGLTVGIWGVAAALLTPVTLASGASGGLCTLIYSTE LKALQATH  
TVACLAIFVLLPLGLFGAKGLKKALGMGP GPMWNLWAWFIFWWPHGVVLGLDFLVR SKLLLLSTCLAQQ  
ALDLLLNLAELAILHCVATPLLLALFCHQATRTLLPSLPLPEGWFSHLDTLGSKS

#### 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**

ACKR1

### **Full Name**

Atypical chemokine receptor 1 (Duffy blood group)

### **Introduction**

The protein encoded by this gene is a glycosylated membrane protein and a non-specific receptor for several chemokines. The encoded protein is the receptor for the human malarial parasites *Plasmodium vivax* and *Plasmodium knowlesi*. Polymorphisms in this gene are the basis of the Duffy blood group system. Two transcript variants encoding different isoforms have been found for this gene.

### **Alternative Names**

FY; Dfy; GPD; DARC; GpFy; CCBP1; CD234; WBCQ1; DARC/ACKR1; Duffy antigen chemokine receptor; Duffy blood group antigen; Fy glycoprotein; glycoprotein D; plasmodium vivax receptor

### **Gene ID**

[2532](#)

### **UniProt ID**

[Q16570](#)