

Product Information

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

Cat. No.: **MPC1035K**

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

This product is a 35.5 kDa Human ACKR1 membrane protein expressed in HEK293. 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

GPCR

Molecular Weight

35.5 kDa

TMD

7

Sequence

MGNCLHRAELSPSTENSSQLDFEDVWNSSYGVNDSFPDGDYGANLEAAAP
CHSCNLLDDSA LPFFILTSVLGILASSTVLFMLFRPLFRWQLCPGWPVLA
QLAVGSALFSIVVPVLAPGLGSTRSSALCSLGYCVWYGSAFAQALLLGCH
ASLGHRLGAGQVPGLTLGLTVGIWGVAAALLTPVTLASGASGGLCTLIYS
TELKALQATHTVACLAIFVLLPLGLFGAKGLKKALGMGPWPWMNILWAWF
IFWWPHGVVLGLDFLVRSKLLLLSTCLAQQALDLLLLNLAEALAILHCVAT
PLLLALFCHQATRLLPSLPLPEGWSSHLDLGSKS

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

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

ACKR1; FY; Dfy; GPD; DARC; GpFy; CCBP1; CD234; WBCQ1; DARC/ACKR1; atypical chemokine receptor 1; Duffy antigen chemokine receptor; Duffy blood group antigen; Duffy blood group system protein; Duffy blood group, chemokine receptor; Fy glycoprotein; glycoprotein D; plasmodium vivax receptor; Atypical chemokine receptor 1 (Duffy blood group)

Gene ID

[2532](#)

UniProt ID

[Q16570](#)