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Product Information

MemDX™ Membrane Protein Human ACKR1 (Atypical chemokine receptor 1 (Duffy blood group)) expressed in E.coli for Antibody Discovery

Cat. No.: **MP1322J**
This product is for research use only and is not intended for diagnostic use.

This product is a 41.1 kDa Human ACKR1 membrane protein expressed in E.coli. 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
41.1 kDa

TMD
7

Sequence
MGNCLHRAELSPSTENSSQLDFEDVWNSSYGVNDSFPDGDYGANLEAAAPCHSCNLLDDSALPFFILTSVLGILASSTVLFMLFRPL

Product Description

Activity
Yes

Expression Systems
E.coli

Tag
N-10xHis

Form

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Liquid or Lyophilized powder

Reconstitution

Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration).

Purity

>85% as determined by SDS-PAGE

Buffer

Liquid: Tris/PBS-based buffer, 5%-50% glycerol
Lyophilized powder: Tris/PBS-based buffer, 6% Trehalose, pH 8.0

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

ACKR1; Atypical chemokine receptor 1; CCBP1; CD234; DARC; Dfy; Duffy antigen/chemokine receptor; duffy blood group; Duffy blood group antigen; Duffy blood group chemokine receptor; DUFFY_HUMAN; FY; Fy glycoprotein; Glycoprotein D; GPD; GpFy; Plasmodium vivax receptor; WBCQ1

Gene ID

2532

UniProt ID

Q16570

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