

Recombinant Human ACKR1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ACKR1-4960H Lot. No. (See product label)

SPECIFICATION

Product Overview

DARC MS Standard C13 and N15-labeled recombinant protein (NP_002027) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

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.

Molecular Mass

35.6 kDa

AA Sequence

MGNCLHRAELSPSTENSSQLDFEDVWNSSYGVNDSFPDGDYGANLEAAAPCHSCN
 LLDDSALPFFILTSVLGILASSTVLFMLFRPLFRWQLCPGWVLAQLAVGSALFSIVP
 VLAPGLGSTRSSALCSLGYCVWYGSAFAQALLLGCHASLGHRLGAGQVPGLTLGLT
 VGIWGVAAALLTLPVTLASGASGGLCTLIYSTEKALQATHTVACLAIFVLLPLGLFGAK
 GLKKALGMGPGPWMNILWAWFIFWWPHGVVLGLDFLVRSKLLLLSTCLAQQALDLL
 LNLAEALAILHCVATPLLLALFCHQATRLLPSLPLPEGWFSHLDTLGSKSTRTRPLE
 QKLISEEDLAANDILDYKDDDDKV

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

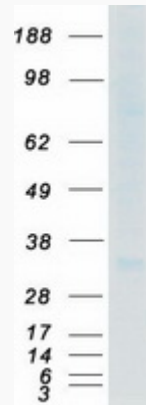
Gene Name	ACKR1 atypical chemokine receptor 1 (Duffy blood group) [Homo sapiens (human)]
Official Symbol	ACKR1
Synonyms	ACKR1; atypical chemokine receptor 1 (Duffy blood group); FY; Dfy; GPD; DARC; GpFy; CCBP1; CD234; WBCQ1; DARC/ACKR1; atypical chemokine receptor 1; Duffy antigen chemokine receptor; Duffy blood group antigen; Duffy blood group system protein; Duffy blood group, chemokine receptor; Fy glycoprotein; glycoprotein D; plasmodium vivax receptor
Gene ID	2532
mRNA Refseq	NM_002036
Protein Refseq	NP_002027
MIM	613665
UniProt ID	Q16570

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SDS-PAGE



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