

ACKR1 protein

Human ACKR1-Strep full length protein-synthetic nanodisc

CATALOG #
AAA129486

HOST
HEK293

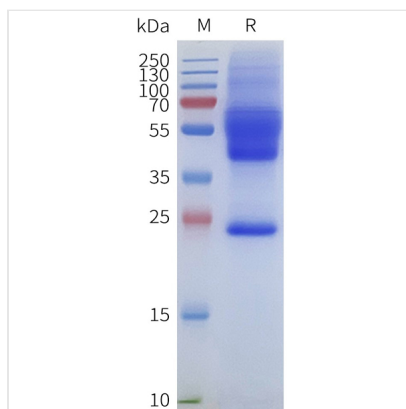
PRODUCT SYNONYMS

ACKR1; Human ACKR1-Strep full length protein-synthetic nanodisc; CCBP1; CD234; DARC; DARC/ACKR1; Dfy; FY; GPD; GpFy; WBCQ1; ACKR1 protein

PRODUCT SPECIFICATIONS

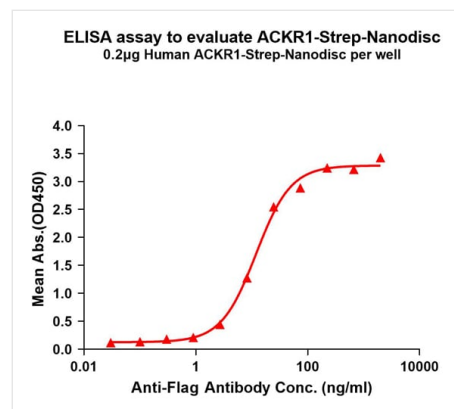
Host	HEK293
Form/Format	Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5%-8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions. Do not use solvents with pH lower
Tag	C-DYKDDDDK&Strep
Preparation and Storage	Store at -20 degree C to -80 degree C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80 degree C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

IMAGES



SDS-PAGE

Figure 2. Human ACKR1-Strep-Nanodisc, C-DYKDDDDK&Strep Tag on SDS-PAGE



ELISA

Figure 1. Elisa plates were pre-coated with C-DYKDDDDK&Strep Tag ACKR1-Strep-Nanodisc (0.2ug/per well). Serial diluted anti-DYKDDDDK monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-DYKDDDDK monoclonal antibody binding with ACKR1-Strep-nanodisc is 11.96ng/ml.

ADDITIONAL INFORMATION

Related Product Information for ACKR1 protein	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. [provided by RefSeq, Jul 2008]
Product Categories/Family for ACKR1 protein	GPCRDB Other; Peptide GPCRs; Chemokines; Chemokine and Receptor

NCBI AND UNIPROT INFORMATION

NCBI GI #	171846251
NCBI GeneID	2532
NCBI Accession #	NP_001116423.1
NCBI GenBank Nucleotide #	NM_001122951.2
UniProt Accession #	Q16570; O75898; Q16300; Q8WWE3; Q9UJP0; Q9UKZ5; Q9UKZ6; Q9UQE1; A8YPG5
Molecular Weight	35,553 Da
NCBI Official Full Name	Duffy antigen/chemokine receptor isoform a
NCBI Official Synonym Full Names	Duffy blood group, chemokine receptor
NCBI Official Symbol	DARC
NCBI Official Synonym Symbols	FY; Dfy; GPD; GpFy; CCBP1; CD234; WBCQ1
NCBI Protein Information	Duffy antigen/chemokine receptor; glycoprotein D; Fy glycoprotein; Duffy blood group antigen; plasmodium vivax receptor
UniProt Protein Name	Duffy antigen/chemokine receptor
UniProt Gene Name	DARC
UniProt Synonym Gene Names	FY; GPD; GpFy
UniProt Entry Name	DUFFY_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/hek293-protein/ackr1/129486>