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Product Information

MemDX™ Membrane Protein Human ACKR4 (Atypical chemokine receptor 4) expressed in E.coli for Antibody Discovery

Cat. No.: **MP1325J**
This product is for research use only and is not intended for diagnostic use.

This product is a 39 kDa Human ACKR4 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
ACKR4

Protein Length
Full-length

Protein Class
GPCR

Molecular Weight
39 kDa

TMD
7

Sequence
MALEQNQSTDYYYEENEMNGTYDYSQYELICIKEDVREFAKVFLPVFLTIVFVIGLAGNS
MVVAIYAYYKKQRTKTDVYILNLAVADLLLLFTLPFWAVNAVHGWVLGKIMCKITSALYT
LNFVSGMQFLACISIDRYVAVTKVPSQSGVGKPCWIICFCVWMAAILLSIPQLVFYTVND
NARCIPIFPRYLGTSMKALIQMLEICIGFVVPFLIMGVCYFITARTLMKMPNIKISRPLK
VLLTVVIVFIVTQLPYNIVKFCRAIDIIYSLITSCNMSKRMDIAIQVTESIALFHSCLNP
ILYVFMGASFKNYVMKVAKKYGSWRRQRQSVEEFPFDSEGPTEPTSTFSI

Product Description

Expression Systems
E.coli

Tag
N-His or Tag-Free

Form

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

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

ACKR4

Full Name

Atypical chemokine receptor 4

Introduction

Atypical chemokine receptor that controls chemokine levels and localization via high-affinity chemokine binding that is uncoupled from classic ligand-driven signal transduction cascades, resulting instead in chemokine sequestration, degradation, or transcytosis. Also known as interceptor (internalizing receptor) or chemokine-scavenging receptor or chemokine decoy receptor. Acts as a receptor for chemokines CCL2, CCL8, CCL13, CCL19, CCL21 and CCL25. Chemokine-binding leads to ligand internalization. Plays an important role in controlling the migration of immune and cancer cells that express chemokine receptors CCR7 and CCR9, by reducing the availability of CCL19, CCL21, and CCL25 through internalization. Negatively regulates CXCR3-induced chemotaxis. Regulates T-cell development in the thymus.

Alternative Names

ACKR4; Atypical chemokine receptor 4; C C chemokine receptor type 11; C-C chemokine receptor type 11; C-C CKR-11; CC chemokine receptor like 1; CC chemokine receptor-like 1; CC CKR 11; CC-CKR-11; CCBP2; CCCKR11; CCR 11; CCR-11; CCR10; CCRL1; CCRL1_HUMAN; CCX CKR; Chemocentryx chemokine receptor; Chemokine (C C motif) receptor like 1; Chemokine cc motif receptor like protein 1; Chemokine receptor like 1; CKR11; CKRB; Orphan seven transmembrane receptor chemokine related; PPR1; VSHK1

Gene ID

51554

UniProt ID

Q9NPB9