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Datasheet for ABIN7195279

Coxsackie Adenovirus Receptor Protein (His tag,Fc Tag,ECD)

Overview

Quantity:	50 µg
Target:	Coxsackie Adenovirus Receptor (CXADR)
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Coxsackie Adenovirus Receptor protein is labelled with His tag,Fc Tag,ECD.

Product Details

Purpose:	Recombinant Mouse CXADR/CAR Protein (ECD, Fc & His Tag)
Sequence:	Met1-Gly237
Characteristics:	A DNA sequence encoding the mouse Cxadr (NP_001020363.1) (Met1-Gly237) was expressed with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus (Fc-his).
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.

Target Details

Target:	Coxsackie Adenovirus Receptor (CXADR)
Alternative Name:	CXADR/CAR (CXADR Products)
Background:	Background: CXADR (coxsackie virus and adenovirus receptor), also known as CAR, is a type I transmembrane glycoprotein belonging to the CTX family of the Ig superfamily, and is essential for normal cardiac development in the mouse. Proposed as a homophilic cell adhesion

Target Details

molecule, CXADR is a component of the epithelial apical junction complex that is essential for the tight junction integrity, and probably involved in transepithelial migration of polymorphonuclear leukocytes (PMN). Mature mouse CXADR structurally comprises a 218 aa extracellular domain (ECD) with a V-type (D1) and a C2-type (D2) Ig-like domain, a 21 aa transmembrane segment and a 107 aa intracellular domain, among which, D1 is thought to be responsible for homodimer formation in trans within tight junctions. The ECD of mouse CXADR shares 97%, 90% sequence identity with the corresponding regions of rat, human CXADR.
Synonym: Coxsackievirus and adenovirus receptor homolog; CAR; Cxadr; CVB3 BP; MCVADR

Molecular Weight: 52 kDa

NCBI Accession: [NP_001020363](#)

Pathways: [Cell-Cell Junction Organization](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.