

Datasheet for ABIN7320433

Coxsackie Adenovirus Receptor Protein[Go to Product page](#)**1** Image

Overview

Quantity:	50 µg
Target:	Coxsackie Adenovirus Receptor (CXADR)
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Mouse CXADR/CAR Protein
Sequence:	Met 1-Gly 237
Characteristics:	A DNA sequence encoding the mouse CXADR (NP_001020363.1) (Met 1-Gly 237) was expressed with six amino acids (ENLYFQ) at the C-terminus.
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 molecule, CXADR is a component of the epithelial apical junction complex that is essential for

Target Details

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: 2610206D03Rik;AU016810;AW553441;CAR;MCAR;MCVADR

Molecular Weight: 25 kDa

NCBI Accession: [NP_001020363](#)

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

Application Details

Restrictions: For Research Use only

Handling

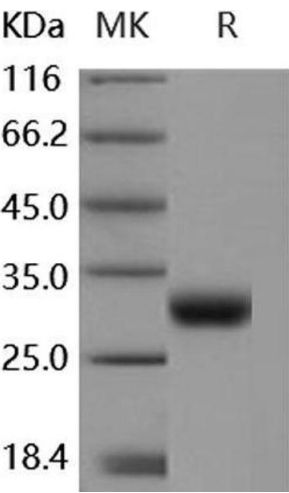
Format: Lyophilized

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.



Western Blotting

Image 1.