

Datasheet for ABIN7320435

Coxsackie Adenovirus Receptor Protein (His tag,Fc Tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	Coxsackie Adenovirus Receptor (CXADR)
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This Coxsackie Adenovirus Receptor protein is labelled with His tag,Fc Tag.

Product Details

Purpose:	Recombinant Mouse CXADR/CAR Protein (His & Fc Tag)(Active)
Sequence:	Met 1-Gly 237
Characteristics:	A DNA sequence encoding the mouse CXADR (NP_001020363.1) extracellular domain (Met 1-Gly 237) was fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.
Purity:	> 92 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	Measured by the ability of the immobilized protein to support the adhesion of mouse neutrophils. When 5 x 10E4 cells/well are added to CXADR-coated plates (4 µg/ml and 100 µl/well), approximately 20%-40% will adhere specifically after 60 minutes at 37°C.

Target Details

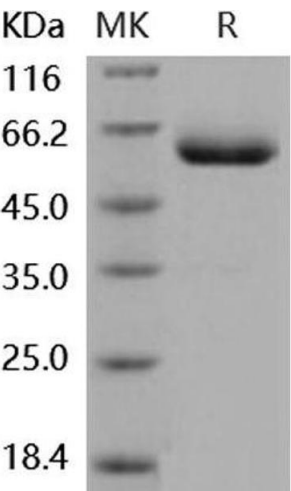
Target:	Coxsackie Adenovirus Receptor (CXADR)
Alternative Name:	CXADR/CAR (CXADR Products)
Background:	<p>Background: CXADR (coxsackie virus and adenovirus receptor), also known as CAR, is a type I transmembrane glycoprotein belonging to the CTX family of the Ig superfamily, and is essential for normal 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 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.</p> <p>Synonym: Coxsackievirus and adenovirus receptor homolog; CAR; Cxadr; CVB3 BP; MCVADR</p>
Molecular Weight:	52 kDa
NCBI Accession:	NP_001020363
Pathways:	Cell-Cell Junction Organization

Application Details

Restrictions:	For Research Use only
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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:	<p>Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.</p> <p>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.</p>



Western Blotting

Image 1.