

Datasheet for ABIN7317762

**Coxsackie Adenovirus Receptor Protein (His tag)**[Go to Product page](#)

## Overview

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

## Product Details

Purpose:	Recombinant Human CXADR/CAR Protein (His Tag)(Active)
Sequence:	Met 1-Gly 237
Characteristics:	A DNA sequence encoding the human CXADR (NP_001329.1) extracellular domain (Met 1-Gly 237) was fused with a polyhistidine tag at the C-terminus.
Purity:	> 92 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg 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 10 <sup>4</sup> 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

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## Target Details

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Alternative Name: CXADR/CAR ([CXADR Products](#))

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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. Synonym: Coxsackievirus and Adenovirus Receptor; CAR; hCAR; CVB3-Binding Protein; Coxsackievirus B-Adenovirus Receptor; HCVADR; CXADR; CAR

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Molecular Weight: 25.6 kDa

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NCBI Accession: [NP\\_001329](#)

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

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## Application Details

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Restrictions: For Research Use only

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## Handling

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Format: Lyophilized

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

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Buffer: Lyophilized from sterile PBS, pH 7.4

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Storage: 4 °C, -20 °C, -80 °C

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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.