

Active Recombinant Mouse Coxsackie Virus And Adenovirus Receptor

Cat. No. Cxadr-382M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Cxadr protein was expressed in Murine myeloma cell line, NS0-derived. Leu20-Gly237.
Species	Mouse
Source	Mammalian Cells
Protein Length	20-237 a.a.
Description	Cxadr is a 46 kDa type I transmembrane glycoprotein that belongs to the CTX family of the Ig superfamily. Cxadr has received attention as a receptor that facilitates gene transfer mediated by most adenoviruses. It is also an adhesion molecule within junctional complexes, notably between epithelial cells lining body cavities and within myocardial intercalated discs.
Form	Lyophilized from a 0.2 µm filtered solution in PBS.
N-terminal Sequence	Leu20
Molecular Weight	51.2 kDa
Activity	Measured by the ability of the immobilized protein to support the adhesion of human neutrophils. When 2 x 10 ⁵ cells/well are added to Cxadr coated plates (10 µg/mL, 100 µL/well), approximately 40-60% of the cells will adhere after 20 minutes at

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	37°C.
Endotoxin Level	<1.0 EU per 1 µg of the protein by the LAL method.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Reconstitution	Reconstitute at 100 µg/ml in sterile PBS.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 1 month, 2 to 8°C under sterile conditions after reconstitution. 3 months, -20 to -70°C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name	Cxadr coxsackie virus and adenovirus receptor [<i>Mus musculus</i>]
Official Symbol	Cxadr
Synonyms	Cxadr; coxsackievirus and adenovirus receptor; CAR; MCAR; MCVADR; AU016810; AW553441; 2610206D03Rik; OTTMUSP00000015903; OTTMUSP00000015904; coxsackie virus and adenovirus receptor homolog; Car
Gene ID	13052
mRNA Refseq	NM_001025192
Protein Refseq	NP_001020363
UniProt ID	P97792
Chromosome	16

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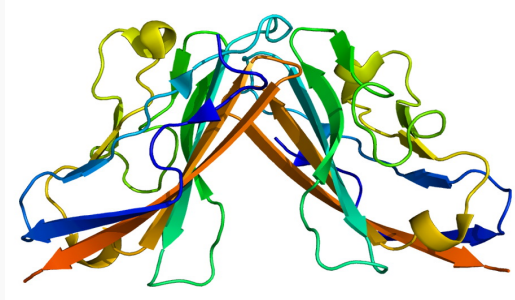
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Location**Pathway**

Adaptive ImmuneSystem; Cell surface interactions at the vascular wall; Hemostasis; ImmuneSystem Immunoregulatory interactions between a Lymphoid and a non-Lymphoidcell Viral; myocarditis

Function

PDZ domain binding;beta-catenin binding; cell adhesion; molecule binding; connexin binding;identical protein binding; protein binding; receptor activity; receptorbinding

PDB rendering based on 1eaj.

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