

Active Recombinant Mouse Cocksackie Virus And Adenovirus Receptor

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

SPECIFICATION

Product Overview	Recombinantmouse Cxadr protein was expressed in Murine myeloma cellline, NS0-derived. Leu20-Gly237.
Species	Mouse
Source	Mammalian Cells
ProteinLength	20-237 a.a.
Description	Cxadr is a 46 kDatype I transmembrane glycoprotein that belongs to the CTX family of the Igsuperfamily. Cxadr has received attention as a receptor that facilitates genetransfer mediated by most adenoviruses. It is also an adhesion moleculewithin junctional complexes, notably between epithelial cells lining bodycavities and within myocardial intercalated discs.
Form	Lyophilized from a0.2 µm filtered solution in PBS.
N-terminal Sequence	Leu20
Molecular Weight	51.2 kDa
Activity	Measured by theability of the immobilized protein to support the adhesion of humanneutrophils. When 2 x 10 ⁵ cells/well are added to Cxadr coatedplates (10 µg/mL, 100 µL/well), approximately 40-60% of the cells will adhereafter 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 [*Mus musculus*]

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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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.	