# Active Recombinant Mouse Coxsackie Virus And Adenovirus Receptor

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

## SPECIFICATION

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| **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 105 cells/well are added to Cxadr coatedplates (10 μg/mL, 100 μL/well), approximately 40-60% of the cells will adhereafter 20 minutes at |

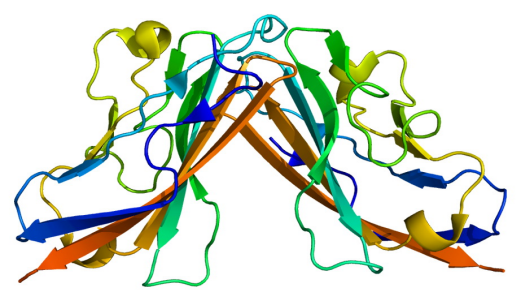
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| | 37°C. |
| **Endotoxin Level** | <1.0 EU per 1 μgof the protein by the LAL method. |
| **Purity** | >95%,by SDS-PAGE under reducing conditions and visualized by silver stain. |
| **Reconstitution** | Reconstitute at 100 ug/mlin sterile PBS. |
|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

## GENE INFORMATION

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| **Gene Name** | Cxadrcoxsackie virus and adenovirus receptor [ Mus musculus ] |
| **Official Symbol** | Cxadr |
| **Synonyms** | Cxadr; coxsackievirus and adenovirus receptor; CAR; MCAR; MCVADR; AU016810; AW553441;2610206D03Rik; OTTMUSP00000015903; OTTMUSP00000015904; coxsackie virusand 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.** |  |

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