

# Recombinant human CXADR protein

Catalog Number: ATGP2201

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

20-237aa

### UniProt No.

P78310

### NCBI Accession No.

NP\_001329

### Alternative Names

Coxsackievirus and adenovirus receptor isoform 1, CAR; CAR4/6; HCAR

## PRODUCT SPECIFICATION

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### Molecular Weight

26 kDa (241aa) confirmed by MALDI-TOF

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

### Purity

> 90% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

CXADR is a type I membrane receptor for group B coxsackieviruses and subgroup C adenoviruses. Several transcript variants encoding different isoforms have been found for this gene. Pseudogenes of this gene are found on chromosomes 15, 18, and 21. Recombinant human CXADR protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

### Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSLSTITPE EMIEKAKGET AYLPCFKFTLS PEDQGGLDIE WLISPADNQK VDQVIILYSG

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DKIYDDYYPD LKGRVHFTSN DLKSGDASIN VTNLQLSDIG TYQCKVKKAP GVANKKIHLV VLVKPSGARC YVDGSEEIGS  
DFKIKCEPKE GSLPLQYEWQ KLSDSQKMPT SWLAEMTSSV ISVKNASSEY SGTYSCTVRN RVGSDQCLLR LNVVPPSNKA G

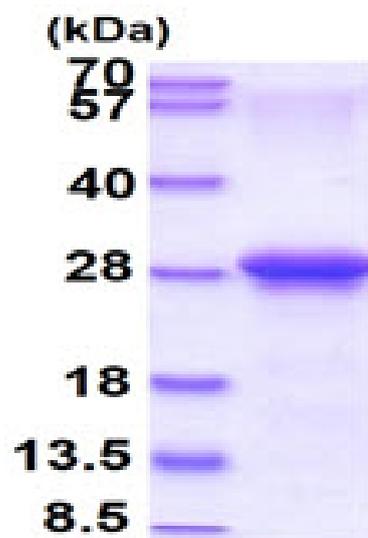
## General References

Burckhardt CJ, Suomalainen M, et al. (2011). *Cell Host Microbe*. 10(2):105-17.

Hussain F, Morton PE, et al. (2011). *PLoS One*. 6(8):e23056.

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

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15% SDS-PAGE (3ug)