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Datasheet for ABIN1096455

Coxsackie Adenovirus Receptor Protein (AA 20-217) (His tag)

Overview

Quantity:	50 µg
Target:	Coxsackie Adenovirus Receptor (CXADR)
Protein Characteristics:	AA 20-217
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Coxsackie Adenovirus Receptor protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Coxsackievirus and Adenovirus Receptor/CAR/CXADR (C-6His)
Sequence:	LSITTPPEEMI EKAKGETAYL PCKFTLSPED QGPLDIEWLI SPADNQKVDQ VIILYSGDKI YDDYYPDLKG RVHFTSNDLK SGDASINVTN LQLSDIGTYQ CKVKKAPGVA NKKIHLVVLV KPSGARCXYVD GSEEIGSDFK IKCEPKEGSL PLQYEWQKLS DSQKMPTSWL AEMTSSVISV KNASSEYSGT YSCTVRNRVG SDQCLLRLNV VPPSNKAGVD HHHHHH
Characteristics:	Recombinant Human Coxsackievirus and Adenovirus Receptor/CAR is produced with our mammalian expression system in human cells. The target protein is expressed with sequence (Leu20-Gly217) of Human CAR fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	Coxsackie Adenovirus Receptor (CXADR)
Alternative Name:	cxadr (CXADR Products)
Sub Type:	Fusionprotein
Background:	<p>Coxsackievirus and Adenovirus Receptor (CAR) belongs to the CTX family of the Ig superfamily. CXADR is a type I transmembrane glycoprotein and expressed in pancreas, brain, heart, small intestine, testis, prostate. It is a receptor that mediates gene transfer and also act as an adhesion molecule within junctional complexes, notably between epithelial cells lining body cavities and within myocardial intercalated discs. CXADR contains an extracellular domain, a transmembrane helix and a C-terminal intracellular domain. The C-terminal interacts with few cytoplasmic junctional proteins, microtubules and the actin cytoskeleton.</p> <p>Alternative Names: Coxsackievirus and Adenovirus Receptor, CAR, hCAR, CVB3-Binding Protein, Coxsackievirus B-Adenovirus Receptor, HCVADR, CXADR, CAR</p>
Molecular Weight:	25.08 kDa
UniProt:	P78310
Pathways:	Cell-Cell Junction Organization

Application Details

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>
Expiry Date:	3 months