Recombinant Mouse CXADR/CAR Protein

Catalog No. PKSM040909

Note: Centrifuge before opening to ensure complete recovery of vial contents.

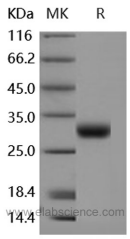
Description

Synonyms	2610206D03Rik;AU016810;AW553441;CAR;MCAR;MCVADR
Species	Mouse
Expression Host	HEK293 Cells
Sequence	Met1-Gly237
Accession	NP_001020363.1
Calculated Molecular Weight	25 kDa
Observed molecular weight	30 kDa
Tag	No tag

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4
Reconstitution	Please refer to the printed manual for detailed information.

Data



Background

CXADR (coxsackie virus and adenovirus receptor), also known as CAR, is a type I transmembrane glycoprotein belonging to the CTX family of the Ig superfamily, and is essential for normal cardiac development in the mouse. Proposed as a homophilic cell adhesion molecule, CXADR is a component of the epithelial apical junction complex that is essential for the tight junction integrity, and probably involved in transepithelial migration of polymorphonuclear leukocytes (PMN). Mature mouse CXADR structrually comprises a 218 aa extracellular domain (ECD) with a V-type (D1) and a C2-type (D2) Ig-like domain, a 21 aa transmembrane segment and a 107 aa intracellular domain, among which,D1 is thought to be responsible for homodimer formation in trans within tight junctions. The ECD of mouse

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CXADR shares 97%, 90% sequence identity with the corresponding regions of rat, human CXADR.

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