Recombinant Human CAR (C-6His)

Catalog No: C332

Description	Recombinant Human Coxsackievirus and Adenovirus Receptor is produced by our Mammalian expression system and the target gene encoding Leu20-Gly237 is expressed with a 6His tag at the C-terminus.
Source	Human Cells
Alternative name	Coxsackievirus and Adenovirus Receptor; CAR; hCAR; CVB3-Binding Protein; Coxsackievirus B-Adenovirus Receptor; HCVADR; CXADR; CAR
Accession No.	P78310
Predicted Molecular Weight	25.08kDa
AP Molecular Weight	32kDa, reducing conditions.
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Quality Control	Purity: Greater than 95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Background	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.

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