

Datasheet for ABIN7321051 **CD81 Protein (CD81)**

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Overview

Quantity:	100 µg
Target:	CD81
Origin:	Rat
Source:	HEK-293 Cells
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Rat CD81/TAPA-1 Protein
Sequence:	Lys116-Lys201
Characteristics:	A DNA sequence encoding the rat Cd81 (NP_037219.1) (Lys116-Lys201) was expressed with two additional amino acids (Gly & Pro) at the N-terminus.
Purity:	> 85 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg protein as determined by the LAL method.

Target Details

Target:	CD81
Alternative Name:	CD81/TAPA-1 (CD81 Products)
Background:	Background: CD81, also known as TAPA-1, belongs to the transmembrane 4 superfamily, also known as the tetraspanin family. Members of this family mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. CD81 is a widely expressed cell-surface protein involved in an astonishing variety of biologic responses. It

Target Details

is related to adhesion, morphology, activation, proliferation, and differentiation of B, T, and other cells. On B cells CD81 is part of a complex with CD21, CD19, and Leu13. This complex reduces the threshold for B cell activation via the B cell receptor by bridging Ag specific recognition and CD21-mediated complement recognition.

Synonym: Tapa1

Molecular Weight: 9.7 kDa

NCBI Accession: [NP_037219](#)

Pathways: [Inositol Metabolic Process](#), [Hepatitis C](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.