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## Datasheet for ABIN7519823 CD9 Protein (CD9) (Fc Tag)

### Overview

Quantity:	100 µg
Target:	CD9
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD9 protein is labelled with Fc Tag.

### Product Details

Purpose:	Recombinant Human CD9 Protein
Sequence:	SHKDEVIKEV QEFYKDTYNK LKTKDEPQRE TLKAIHYALN CCGLAGGVEQ FIDICPKKD VLETFTVKSC PDAIKEVFDN KFHI
Specificity:	Ser112-Ile195
Purity:	> 97 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	<0.1EU/µg

### Target Details

Target:	CD9
Alternative Name:	CD9 ( <a href="#">CD9 Products</a> )
Background:	Description: CD9 is a member of the transmembrane 4 superfamily, which is also known as the

## Target Details

tetraspanin family. CD9 is a cell surface glycoprotein with 4 hydrophobic domains that are described as complex with integrins and other transmembrane 4 superfamily members. It is found expressed on the surface of the exosomes. The protein takes part in cellular signal transduction events and thus play a role in the regulation of cell development and activation, growth and motility. Besides, CD9 seems to be a key role in the egg-sperm fusion during the mammalian fertilization processes. CD9 is found on the membrane of the oocytes and also appears to intervene in maintaining the normal shape of oocyte microvilli.

Name: MIC3, MRP-1, BTCC-1, DRAP-27, TSPAN29, TSPAN-29,CD9

Gene ID:	928
UniProt:	<a href="#">P21926</a>
Pathways:	<a href="#">Response to Water Deprivation</a> , <a href="#">Cell-Cell Junction Organization</a>

## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80°C for 12 months. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.