

Datasheet for ABIN6239884

APRT Protein (AA 1-180) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	50 µg
Target:	APRT
Protein Characteristics:	AA 1-180
Origin:	Human
Source:	Escherichia coli (E. coli)
Biological Activity:	Active
Purification tag / Conjugate:	This APRT protein is labelled with His tag.
Application:	Activity Assay (AcA), Cell Culture (CC)

Product Details

Characteristics:	Tag location: N-terminal His Tag
Purity:	> 97 %

Biological Activity Comment: Adenine Phosphoribosyltransferase (APRT) is an enzyme involved in the purine nucleotide salvage pathway. It functions as a catalyst in the reaction between adenine and phosphoribosyl pyrophosphate (PRPP) to form AMP. Besides, Vascular Cell Adhesion Molecule 1 (VCAM1) has been identified as an interactor of APRT, thus a binding ELISA assay was conducted to detect the interaction of recombinant human APRT and recombinant human VCAM1. Briefly, APRT were diluted serially in PBS, with 0.01% BSA (pH 7.4). Duplicate samples of 100uL were then transferred to VCAM1-coated microtiter wells and incubated for 2h at 37°C. Wells were washed with PBST and incubated for 1h with anti-APRT pAb, then aspirated and washed 3 times. After incubation with HRP labelled secondary antibody, wells were aspirated and washed 3 times. With the addition of substrate solution, wells were incubated 15-25 minutes at 37°C. Finally, add

Product Details

50µL stop solution to the wells and read at 450nm immediately. The binding activity of of APRT and VCAM1 was shown in Figure 1, and this effect was in a dose dependent manner The binding activity of APRT with VCAM1.

Target Details

Target:	APRT
Abstract:	APRT Products
Background:	Alternative Names: AMP, APRTase
Molecular Weight:	23kDa
UniProt:	P07741
Pathways:	Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	Isoelectric Point: 6.8
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	20 mM Tris, 150 mM NaCl, pH 8.0, containing 1 mM EDTA, 1 mM DTT, 0.01 % SKL, 5 % Trehalose and Proclin300.
Preservative:	Dithiothreitol (DTT), Other preservative, ProClin
Precaution of Use:	This product contains ProClin and Dithiothreitol (DTT): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.

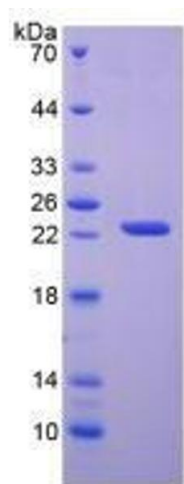


Image 1.