

Datasheet for ABIN7596177

CD47 Protein (CD47) (AA 19-141) (His tag)[Go to Product page](#)

Overview

Quantity:	500 µg
Target:	CD47
Protein Characteristics:	AA 19-141
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CD47 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Activity Assay (AcA)

Product Details

Sequence:	QLLFNKT KSV EFTFCNDTVV IPCFVTNMEA QNTTEVYVKW KFKGRDIYTF DGALNKSTVP TDFSSAKIEV SQLLKGDASL KMDKSDAVSH TGNYTCEVTE LTREGETIIE LKYRVVSWFS PNE
Purity:	> 95% by SDS-PAGE
Endotoxin Level:	< 1 EU per 1 µg of protein (determined by LAL method)
Biological Activity Comment:	Measured by its binding ability in a functional ELISA with Human SIRP gamma/CD172g (CAT# ATGP4030)

Target Details

Target:	CD47
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Target Details

Alternative Name: CD47 ([CD47 Products](#))

Background: CD47, also known as leukocyte surface antigen CD47 isoform 1, has a role in both cell adhesions by acting as an adhesion receptor for THBS1 on platelets, and in the modulation of integrins. It plays an important role in memory formation and synaptic plasticity in the hippocampus. Receptor for SIRPA prevents maturation of immature dendritic cells and inhibits cytokine production by mature dendritic cells. Recombinant human CD47, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Molecular Weight: 14.7 kDa (129aa)

NCBI Accession: [NP_001768](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.