

Datasheet for ABIN7319893

**CD7 Protein (CD7) (Biotin,His-Avi Tag)**[Go to Product page](#)**1** Image

## Overview

Quantity:	100 µg
Target:	CD7
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD7 protein is labelled with Biotin,His-Avi Tag.

## Product Details

Purpose:	Recombinant Human CD7/Leu-9 (C-6His-Avi) Biotinylated
Sequence:	Ala26--Pro180
Characteristics:	Biotinylated Recombinant Human T-Cell Antigen CD7 is produced by our Mammalian expression system and the target gene encoding Ala26-Pro180 is expressed with a 6His, Avi tag at the C-terminus.
Purity:	>95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

## Target Details

Target:	CD7
Alternative Name:	CD7 ( <a href="#">CD7 Products</a> )
Background:	Background: T-Cell Antigen CD7 is a single-pass type I membrane protein that belongs to the immunoglobulin superfamily. Human CD7 is synthesized as a 240 amino acid precursor

## Target Details

that contains a 25 amino acid signal sequence and a 215 amino acid mature chain with a Ig-like (immunoglobulin-like) domain. CD7 is normally expressed on all T-lymphocytes, NK-cells, pre-B lymphocytes and pleuripotent hematopoietic stem cells. CD7 plays an essential role in T-cell interactions, T-cell/B-cell interaction during early lymphoid development, T- and NK-cell activation and cytokine production. CD7 has been shown to interact with PIK3R1 and SECTM1. However, the function of the CD7 protein in the immune system is still largely unknown. Synonym: T-Cell Antigen CD7, GP40, T-Cell Leukemia Antigen, T-Cell Surface Antigen Leu-9, TP41, CD7

Molecular Weight: 19.3 kDa

UniProt: [P09564](#)

Pathways: [Cell-Cell Junction Organization](#)

## Application Details

Comment: 30-35 kDa

Restrictions: For Research Use only

## Handling

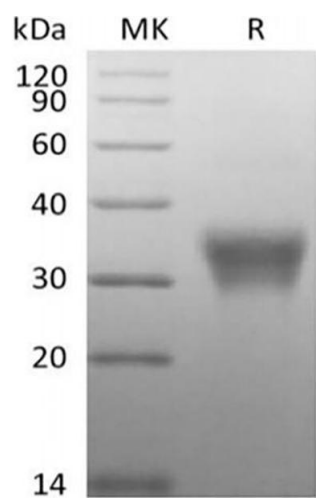
Format: Lyophilized

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

Buffer: Lyophilized from a 0.2 µm filtered solution of 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.



Western Blotting

Image 1.