

Datasheet for ABIN7320293  
**CD7 Protein (CD7) (His tag)**[Go to Product page](#)

## 1 Image

## Overview

|                               |  |
|-------------------------------|--|
| Quantity:                     | 100 µg                                     |
| Target:                       | CD7  |
| Origin:                       | Mouse                                      |
| Source:                       | HEK-293 Cells                              |
| Protein Type:                 | Recombinant                                |
| Biological Activity:          | Active                                     |
| Purification tag / Conjugate: | This CD7 protein is labelled with His tag. |

## Product Details

|                              |  |
|------------------------------|--|
| Purpose:                     | Recombinant Mouse CD7 Protein (His Tag)(Active)  |
| Sequence:                    | Met 1-Pro 150  |
| Characteristics:             | A DNA sequence encoding the mouse CD7 (NP_033984.1) extracellular domain (Met 1-Pro 150) was fused with a polyhistidine tag at the C-terminus. |
| Purity:                      | > 94 % as determined by SDS-PAGE   |
| Endotoxin Level:             | < 1.0 EU per µg of the protein as determined by the LAL method.  |
| Biological Activity Comment: | Measured by its ability to bind biotinylated recombinant human SECTM1 in a functional ELISA.   |

## Target Details

|                   |                                      |
|-------------------|--------------------------------------|
| Target:           | CD7                                  |
| Alternative Name: | CD7 ( <a href="#">CD7 Products</a> ) |

## Target Details

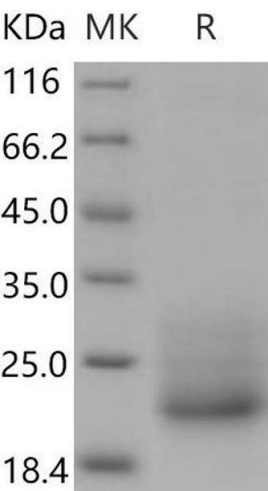
|                   |  |
|-------------------|--|
| Background:       | <p>Background: The cluster of differentiation (CD) system is commonly used as cell markers in immunophenotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules which associating with the immune function of the cell. There are more than 320 CD unique clusters and subclusters have been identified. Some of the CD molecules serve as receptors or ligands important to the cell through initiating a signal cascade which then alter the behavior of the cell. Some CD proteins do not take part in cell signal process but have other functions such as cell adhesion. CD7 is a transmembrane protein which is a member of the immunoglobulin superfamily. This protein is found on thymocytes and mature T cells. It plays an essential role in T-cell interactions and also in T-cell / B-cell interaction during early lymphoid development.</p> <p>Synonym: RP23-400P17.1</p> |
| Molecular Weight: | 15.7 kDa   |
| NCBI Accession:   | <a href="#">NP_033984</a>  |
| Pathways:         | <a href="#">Cell-Cell Junction Organization</a>  |

## 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: | <p>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 &lt; -20°C for 3 months.</p> |



Western Blotting

Image 1.