

Datasheet for ABIN7318287 **CD7 Protein (CD7) (His tag)**

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Overview

Quantity:	50 µg
Target:	CD7
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD7 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human CD7/GP40 Protein (His Tag)
Sequence:	Ala26-Pro180
Characteristics:	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 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/GP40 (CD7 Products)
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 that contains a 25 amino acid signal sequence and a 215 amino acid mature chain with a Ig-like

Target Details

(immunoglobulin-like) domain. CD7 is normally expressed on all T-lymphocytes, NK-cells, pre-B lymphocytes and pluripotent 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 SLC7A1. 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: 17.5 kDa

UniProt: [P09564](#)

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

Application Details

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 20 mM PB, 150 mM NaCl, pH 7.2.

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.