

## Recombinant Human CD7, His-tagged

Cat. No. CD7-2289H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human CD7 protein, fused to His-tag at N-terminus, was expressed in E.coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	178aa
<b>Description</b>	T-cell antigen CD7, also known as CD7, is a type I transmembrane glycoprotein that is expressed on pluripotential hemapoietic cells, most human thymocytes and some peripheral blood T cells. The CD7 molecule is absent in a subset of human T cells under certain physiologic conditions. Thus an increase in CD7 negative T cells can be seen in some inflammatory skin disease.
<b>Form</b>	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
<b>Molecular Mass</b>	18.8 kDa
<b>AA Sequence</b>	MGSSHHHHHH SSSLVPRGSH MGSQAQEVQQS PHCTTVPVGA SVNITCSTSG GLRGIYLRQL GPQPQDIIYY EDGVVPTTDR RFRGRIDFSGSQDNLTITMH RLQLSDTGTY TCQAITEVNV YGSGTLVLVT EEQSQGWHRC SDAPPRASAL PAPPTGSALP DPQTASALPD PPAASALP
<b>Purity</b>	>90% by SDS - PAGE

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<b>Applications</b>	SDS-PAGE
<b>Storage</b>	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
<b>Concentration</b>	1 mg/ml

## GENE INFORMATION

<b>Gene Name</b>	CD7 CD7 molecule [ Homo sapiens ]
<b>Official Symbol</b>	CD7
<b>Synonyms</b>	CD7; CD7 molecule; CD7 antigen (p41); T-cell antigen CD7; GP40; LEU 9; p41 protein; T cell antigen CD7; T cell leukemia antigen; Tp40; TP41; T-cell leukemia antigen; T-cell surface antigen Leu-9; LEU-9;
<b>Gene ID</b>	924
<b>mRNA Refseq</b>	NM_006137
<b>Protein Refseq</b>	NP_006128
<b>MIM</b>	186820
<b>UniProt ID</b>	P09564
<b>Chromosome Location</b>	17q25.2-q25.3
<b>Pathway</b>	Hematopoietic cell lineage, organism-specific biosystem; Hematopoietic cell lineage, conserved biosystem;

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**Function**

receptor activity;

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