

AR51113PU-N

Human CD7 (26-180, His-tag) - Purified

Alternate names:	GP40, Leu-9, T-cell leukemia antigen, TP41
Quantity:	0.5 mg
Concentration:	1 mg/ml (determined by Bradford assay)
Background:	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.
Uniprot ID:	P09564
NCBI:	NP_006128
GeneID:	924
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >90% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Description:	Recombinant Human CD7 protein, fused to His-tag at N-terminus, was expressed in E.coli. AA Sequence: <u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> <u>MGSAQEVQQS</u> PHCTTVPVGA SVNITCSTSG GLRGIYLRQL GPQPQDIYY EDGVVPTTDR RFRGRIDFSG SQDNLITMH RLQLSDTGTY TCQAITEVNV YGSGLVLVT EEQSQGWHRC SDAPPRASAL PAPPTGSALP DPQTASALPD PPAASALP Molecular weight: 18.8 kDa (178aa)
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Bárcena A, Muench MO, Roncarolo MG, Spits H. Tracing the expression of CD7 and other antigens during T- and myeloid-cell differentiation in the human fetal liver and thymus. Leuk Lymphoma. 1995 Mar;17(1-2):1-11. PubMed PMID: 7539656. 2. Leta E, Roy AK, Hou Z, Jung LK. Production and characterization of the extracellular domain of human CD7 antigen: further evidence that CD7 has a role in T cell signaling. Cell Immunol. 1995 Oct 1;165(1):101-9. PubMed PMID: 7545547.

Pictures:

