

# CD7, human recombinant

**CATALOG #:** 7316-50 50 µg

**ALTERNATE NAMES:** T-cell antigen CD7, GP40, LEU-9, Tp40, TP41

**SOURCE:** E. coli

**PURITY:** > 90% by SDS-PAGE

**MOL. WEIGHT:** 18.8 kDa (178 aa, 26-180 aa + His tag), confirmed by MALDI-TOF.

**ENDOTOXIN LEVEL:** < 1.0 EU per 1 µg of protein

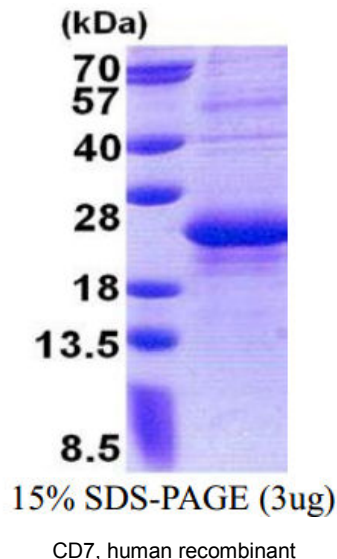
**FORM:** Liquid

**FORMULATION:** 1 mg/ml in 20 mM Tris-HCl buffer (pH 8.0) containing 0.4 M Urea and 10% glycerol.

**STORAGE CONDITIONS:** 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.

**DESCRIPTION:** T-cell antigen CD7, also known as CD7, is a type I transmembrane glycoprotein that is expressed on pluripotential hemopoietic 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. Recombinant human CD7 protein, fused to His-tag at N-terminus, was expressed in E.coli.

**AMINO ACID SEQUENCE:** MGSSHHHHHH SSGLVPRGSH MGSAQEVQQS  
 PHCTTVPVGA SVNITCSTSG GLRGIYLRQL GPQPQDIYY EDGVVPTTDR  
 RFRGRIDFSG SQDNLITIMH RLQLSDTGTY TCQAITEVNV YGSGTLVLVT  
 EEQSQGWHRCS DAPPRASAL PAPPTGSALP DPQTASALPD PPAASALP



**RELATED PRODUCTS:**

- CD1E, human recombinant (Cat. No. 7308-100)
- CD200, human recombinant (Cat. No. 7309-100)
- CD226, human recombinant (Cat. No. 7310-100)
- CD274, mouse recombinant (Cat. No. 7311-100)
- CD300C, human recombinant (Cat. No. 7312-100)
- CD3G, human recombinant (Cat. No. 7313-100)
- CD46, human recombinant (Cat. No. 7314-100)
- CD5, human recombinant (Cat. No. 7315-100)
- CD74, human recombinant (Cat. No. 7317-100)
- CD79B, human recombinant (Cat. No. 7318-100)
- CD84, human recombinant (Cat. No. 7319-100)
- CD8B, human recombinant (Cat. No. 7320-100)

**FOR RESEARCH USE ONLY! Not to be used in humans.**

