

# CD3E, human recombinant

**CATALOG #:** 7342-50 50 µg

**ALTERNATE NAMES:** T-cell surface glycoprotein CD3 epsilon chain, T3E, TCRE

**SOURCE:** E. coli

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

**MOL. WEIGHT:** 14.1 kDa (127 aa, 23-126 aa + His Tag), confirmed by MALDI-TOF.

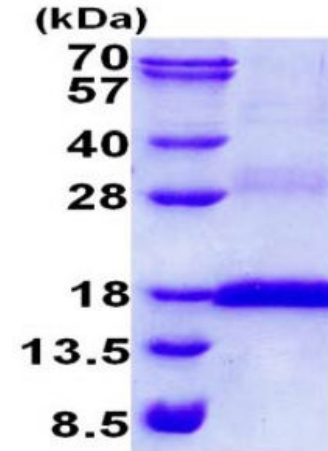
**FORM:** Liquid

**FORMULATION:** 1 mg/ml in 20 mM Tris-HCl buffer (pH 8.0) containing 0.2 M NaCl, 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:** CD3E is the CD3-epsilon polypeptide, which together with CD3-gamma, -delta and -zeta, and the T-cell receptor alpha/beta and gamma/delta heterodimers, forms the T-cell receptor-CD3 complex. This complex plays an important role in coupling antigen recognition to several intracellular signal-transduction pathways. The genes encoding the epsilon, gamma delta polypeptides are located in the same cluster on chromosome 11. The epsilon polypeptide plays an essential role in T-cell development. Defects in this gene cause immunodeficiency. This gene has also been linked to a susceptibility to type I diabetes in women. Recombinant human CD3E protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**AMINO ACID SEQUENCE:** MGSSHHHHHH SSSLVPRGSH MGS DGNEEMG  
GITQTPYKVS ISGTTVILTC PQYPGSEILW QHNDKNIGGD EDDKNIGSDE  
DHLSLKEFSE LEQSGYVVCY PRGSKPEDAN FYLYLRARVC ENCMEMD



15% SDS-PAGE (3µg)  
CD3E, human recombinant

**RELATED PRODUCTS:**

- 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)
- CD7, human recombinant (Cat. No. 7316-100)
- 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.**

