

CD8B, human recombinant

CATALOG #: 7320-100 100 µg

ALTERNATE NAMES: T-cell surface glycoprotein CD8 beta chain isoform 5 precursor, CD8B1, LEU2, LY3, LYT3, P37

SOURCE: E. coli

PURITY: > 80% by SDS-PAGE

MOL. WEIGHT: 19.2 kDa (172 aa, 22-170 aa + His tag), confirmed by MALDI-TOF.

ENDOTOXIN LEVEL: < 1.0 EU per 1 µg of protein

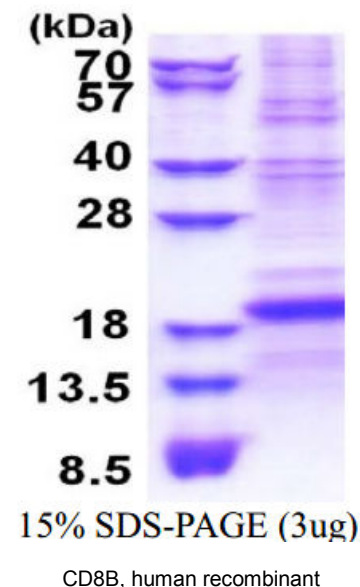
FORM: Liquid

FORMULATION: 0.5 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: CD8 antigen is a cell surface glycoprotein found on most cytotoxic T lymphocytes that mediates efficient cell-cell interactions within the immune system. The CD8 antigen, acting as a coreceptor and the T-cell receptor on the T lymphocyte recognize antigens displayed by an antigen presenting cell (APC) in the context of class I MHC molecules. The functional coreceptor is either a homodimer composed of two alpha chains, or a heterodimer composed of one alpha and one beta chain. Both alpha and beta chains share significant homology to immunoglobulin variable light chains. This gene encodes the CD8 beta chain isoforms. Recombinant human CD8B protein, fused to His-tag at N-terminus, was expressed in E.coli.

AMINO ACID SEQUENCE: MGSSHHHHHH SSGLVPRGSH MGSLQQTPAY
 IKVQTNKMVM LSCEAKISLS NMRIYWLRQR QAPSSDSHHE FLALWDSAKG
 TIHGEEVEQE KIAVFRDASR FILNLTsvkp EDsGIYFCMI VGSPeLTFGK GTQLSVVDFL
 PTTAQPTKKS TLKKRVCRLP RPETQKGPLC SP



- 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)
 - 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)

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