

## 32-3453: CD8B Recombinant Protein

**Alternative Name** : T Lymphocyte Surface Glycoprotein Beta Chain,CD8 Antigen,Beta Polypeptide 1 (P37),CD8b Molecule,CD8b Antigen,T-Cell Surface Glycoprotein CD8 Beta Chain,CD8B1,LYT3,LY3,LEU2,P37.

### Description

Source : Escherichia Coli. CD8B Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 172 amino acids (22-170) and having a molecular mass of 19.2 kDa. CD8B is fused to a 23 amino acid His-tag at N-terminus. CD8B encodes the CD8 beta chain isoforms of the CD8 antigen. CD8 is a cell surface glycoprotein which facilitates efficient cell-cell interactions within the immune system and is located on most cytotoxic T lymphocytes. The T-cell receptor on the T lymphocyte and the co-receptor CD8 antigen identify antigens exposed by an antigen presenting cell (APC) in the context of class I MHC molecules. The functional co-receptor is either a heterodimer composed of one alpha and one beta chain or a homodimer composed of two alpha chains. Both alpha and beta chains share substantial homology to immunoglobulin variable light chains.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 80% as determined by SDS-PAGE.  
**Content :** The CD8B solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHH SSSLVPRGSH MGSLQQTPAY IKVQTNKMVM LSCEAKISLS NMRIYWLRQR  
QAPSSDSHHE FLALWDSAKG TIHGEEVEQE KIAVFRDASR FILNLTSVKP EDSGIYFCMI VGSPELTFGK  
GTQLSVVDFL PTTAQPTKKS TLKRVCRPLP RPETQKGPLC SP

