



**Catalog Number:** PR27298

**Product Type:** Recombinant Protein

**Source:** E. Coli

**Amino Acid Sequence:** MGSSHHHHHH SSSLVPRGSH MGSLQQTPAY IKVQTNKMVM LSCEAKISLS NMRIYWLRQR  
QAPSSDSHHE FLALWDSAKG TIHGEEVEQE KIAVFRDASR FILNLTSVKP EDSGIYFCMI  
VGSPELTFGK GTQLSVVDFL PTTAQPTKKS TLKKRVCRLP RPETQKGPLC SP

**Description/Molecular Mass:** 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.

**Purity:** 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.  
Greater than 80.0% as determined by:  
(a) Analysis by SDS-PAGE.

**Format:** The CD8B solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.

**Storage:** 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.

### FOR RESEARCH USE ONLY

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