

# Product information



## CD8B, 22-170aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP2520

**Full name:** T-cell surface glycoprotein CD8 beta chain isoform 5 precursor **NCBI Accession No.:** NP\_004922

**Synonyms:** CD8B1, LEU2, LY3, LYT3, P37

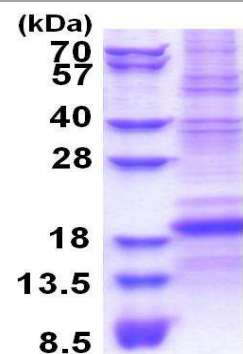
**Description:** CD8 antigen is a cell surface glycoprotein found on most cytotoxic T lymphocytes that mediates efficient cell-cell interactions within the immune system. The CD8 antigen, acting as a coreceptor, and the T-cell receptor on the T lymphocyte recognize antigens displayed by an antigen presenting 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*.

**Form:** Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA,  
10% glycerol

**Molecular Weight:** 19.2kDa (172aa)

**Purity:** > 80% by SDS - PAGE

**Concentration:** 0.5 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

### Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MGSLQQTPAY IKVQTNKMVM LSCEAKISLS NMRIYWLQR QAPSSDSHHE FLALWDSAKG TIHGEEVEQE  
KIAVFRDASR FILNLTSVKP EDSGIYFCMI VGSPELTFGK GTQLSVVDFL PTTAQPTKKS TLKKRVCRLP RPETQKGPLC SP

### General references:

Heigele,A, *et al.* (2012) *J. Virol.* 86 (1), 36-48

Laugel,B., *et al.* (2011) *J. Leukoc. Biol.* 90 (6), 1089-1099

**Storage:** 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.

**For research use only. This product is not intended or approved for human, diagnostics or veterinary use.**



Manufactured for:

Immuno-Biological Laboratories, Inc. (IBL-America)  
8201 Central Ave. NE, Suite P, Minneapolis, Minnesota 55432, USA  
Phone: (888) 523-1246 Fax.: (763) 780-2988  
Email: [info@ibl-america.com](mailto:info@ibl-america.com) Web: [www.ibl-america.com](http://www.ibl-america.com)