

# Recombinant human CD8 beta protein

Catalog Number: ATGP3757

## PRODUCT INFORMATION

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### Expression system

Baculovirus

### Domain

22-170aa

### UniProt No.

P10966

### NCBI Accession No.

NP\_004922.1

### Alternative Names

T-cell surface glycoprotein CD8 beta chain isoform 5, CD8B, CD8B1, LEU2, LY3, LYT3, P37

## PRODUCT SPECIFICATION

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### Molecular Weight

17.8 kDa (158aa)

### Concentration

0.5mg/ml (determined by absorbance at 280nm)

### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

### Purity

> 85% by SDS-PAGE

### Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

CD8B, also known as T-cell surface glycoprotein CD8 beta chain isoform 5, is a cell surface transmembrane glycoprotein. This protein serves as a co-receptor for the T cell receptor (TCR). It found on most cytotoxic T lymphocytes that mediates efficient cell to cell interactions within the immune system. CD8 forms a dimer, consisting of a pair of CD8 chains. The most common form of CD8 is composed of a CD8-alpha and CD8-beta

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chain. Both members of the immunoglobulin superfamily with an immunoglobulin variable (IgV) -like extracellular domain connected to the membrane by a thin stalk, and an intracellular tail. Recombinant human CD8B, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

## Amino acid Sequence

<ADP>LQQTPAY IKVQTNKMVM LSCEAKISLS NMRIYWLRQR QAPSSDSHHE FLALWDSAKG TIHGEEVEQE KIAVFRDASR  
FILNLTSVKP EDSGIYFCMI VGSPELTFGK GTQLSVVDFL PTTAQPTKKS TLKKRVCRLP RPETQKGPLC SP<HHHHHH>

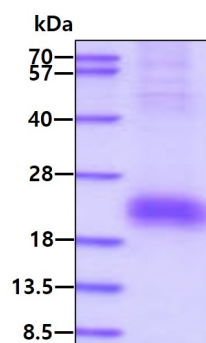
## General References

Johnson P. (1987) Immunogenetics 26:174-177.

Terry LA. et al., (1990) Tissue Antigens 35:82-91.

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.