

Recombinant human CD8 beta protein

Catalog Number: ATGP2520

PRODUCT INFORMATION

Expression system

E.coli

Domain

22-170aa

UniProt No.

P10966

NCBI Accession No.

NP_004922

Alternative Names

T-cell surface glycoprotein CD8 beta chain isoform 5 precursor, CD8B1, LEu2, LY3, LYT3, P37

PRODUCT SPECIFICATION

Molecular Weight

19.2 kDa (172aa)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing, 0.4M Urea, 10% glycerol

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

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

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

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CD8B protein, fused to His-tag at N-terminus, was expressed in E. coli.

Amino acid Sequence

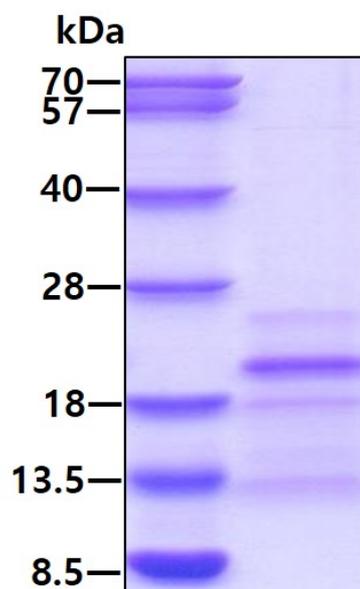
<MGSSHHHHHH SSGLVPRGSH MGS>LQQTPAY IKVQTNKMVM LSCEAKISLS NMRIYWLRQR QAPSSDSHHE
FLALWDSAKG TIHGEEVEQE KIAVFRDASR FILNLTSVKP EDSGIYFCMI VGSPELTFGK GTQLSVVDFL PTTAQPTKKS
TLKKRVCRLP RPETQKGPLC SP

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

DATA

SDS-PAGE



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