

# Recombinant human CD83 protein

Catalog Number: ATGP1925

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

20-144aa

### UniProt No.

Q01151

### NCBI Accession No.

NP\_001035370

### Alternative Names

CD83 antigen isoform b precursor, BL11, HB15

## PRODUCT SPECIFICATION

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### Molecular Weight

16 kDa (148aa) confirmed by MALDI-TOF

### Concentration

0.25mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 30% glycerol

### Purity

> 90% by SDS-PAGE

### 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

CD83 is a single-pass type I membrane protein and member of the immunoglobulin superfamily of receptors. The protein may be involved in the regulation of antigen presentation. A soluble form of this protein can bind to dendritic cells and inhibit their maturation. Three transcript variants encoding different isoforms have been found for this gene. Recombinant human CD83 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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## Amino acid Sequence

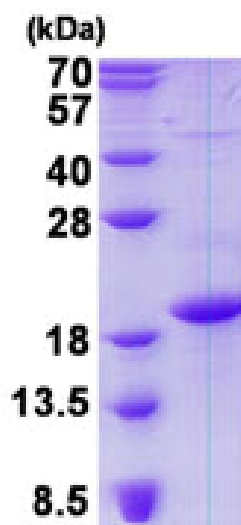
MGSSHHHHHH SSSLVPRGSH MGSTPEVKVA CSEDVDLPCT APWDPQVPYT VSWVKLEGG EERMETPQED  
HLRGQHYHQK GQNGSFDAPN ERPYSLKIRN TTSCNSGTyr CTLQDPDGQR NLSGKVILRV TGCPAQRKEE TFKKYRAE

## General References

Zhou LJ, Tedder TF, et al. (1995). J Immunol. 154(8):3821-35.  
Lechmann M, Berchtold S, et al. (2002). Trends Immunol. 23(6):273-5.

## DATA

### SDS-PAGE



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

15% SDS-PAGE (3ug)