

**CD83, human recombinant protein**  
**CD83 antigen isoform b precursor, BL11, HB15**  
**Catalog # PBV10968r****Specification**

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**CD83, human recombinant protein - Product info**

|                   |                                                                   |
|-------------------|-------------------------------------------------------------------|
| Primary Accession | <a href="#">O01151</a>                                            |
| Concentration     | 0.25                                                              |
| Calculated MW     | 16 kDa (148 aa, 20-144 aa + His Tag), confirmed by MALDI-TOF. KDa |

**CD83, human recombinant protein - Additional Info**

|                                              |                                                                                                                                                                                |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene ID                                      | 9308                                                                                                                                                                           |
| Gene Symbol                                  | CD83                                                                                                                                                                           |
| <b>Other Names</b>                           |                                                                                                                                                                                |
| CD83 antigen isoform b precursor, BL11, HB15 |                                                                                                                                                                                |
| Gene Source                                  | Human                                                                                                                                                                          |
| Source                                       | E. coli                                                                                                                                                                        |
| Assay&Purity                                 | SDS-PAGE; ≥90%                                                                                                                                                                 |
| Assay2&Purity2                               | N/A;                                                                                                                                                                           |
| Recombinant                                  | Yes                                                                                                                                                                            |
| Sequence                                     | MGSSHHHHHH SSGLVPRGSH MGSTPEVKVA<br>CSEDVDLPCT APWDPQVPYT VSWVKLLEGG<br>EERMETPQED HLRGQHYHQK GQNGSFDAPN<br>ERPYSLKIRN TTSCNSGTyr CTLQDPDGQR<br>NLSGKVILRV TGCPAQRKEE TFKKYRAE |

**Target/Specificity**  
CD83**Format**  
Liquid**Storage**  
-80°C; 0.25 mg/ml in 20 mM Tris-HCl buffer (pH 8.0) containing 0.15 M NaCl and 30% glycerol.**CD83, human recombinant protein - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)

- [Cell Culture](#)

**CD83, human recombinant protein - Images****CD83, human recombinant protein - Background**

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.

**CD83, human recombinant protein - References**

Zhou L.-J., et al. J. Immunol. 149:735-742(1992).  
Kozlow E.J., et al. Blood 81:454-461(1993).  
Ebert L., et al. Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.  
Mungall A.J., et al. Nature 425:805-811(2003).  
Zhang Z., et al. Protein Sci. 13:2819-2824(2004).