

Recombinant Human CD83 Protein, C-His-tagged

Cat. No. CD83-180H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD83 Protein with C-His tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	CD83 is a single-transmembrane protein with a calculated molecular weight (MW) of 23 kDa, but due to heavy and differential glycosylation, its apparent MW ranges from 23 to 70 kDa. CD83 is predominantly expressed on mature dendritic cells (DCs) and has been used as a DC activation/maturation marker as its increased expression is correlated with upregulation of HLA class II antigen expression on DCs. CD83 is also expressed at a low level on lymphocytes and is upregulated upon lymphocyte activation. Thymic epithelial cells also express CD83, which is required for normal CD4+ T cell development. CD83 is also expressed as a soluble form (sCD83) that can be found in serum of healthy adults. sCD83 has been shown to negatively regulate immune response by lymphocytes.
Molecular Mass	~14 kDa
AA Sequence	TPEVKVACSEDVDLPCTAPWDPQVPYTVSWVKLLEGGEERMETPQEDHLRGQHYH QKGQNGSFDAPNERPYSLKIRNTTSCNSGTYRCTLQDPDGQRNLSGKVILRVTCGP AQRKEETFKKYRAE
Purity	Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).

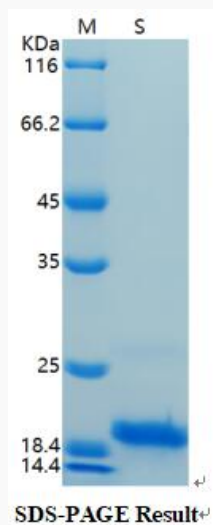
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Notes	For research use only, not for use in diagnostic procedure.
Storage	Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles.
Concentration	≥0.5 mg/mL
Storage Buffer	PBS, 4M Urea, pH7.4
GENE INFORMATION	
Gene Name	CD83 CD83 molecule [Homo sapiens (human)]
Official Symbol	CD83
Synonyms	CD83; CD83 molecule; CD83 antigen (activated B lymphocytes, immunoglobulin superfamily) , CD83 molecule; CD83 antigen; BL11; HB15; hCD83; B-cell activation protein; cell surface protein HB15; cell-surface glycoprotein; CD83 antigen (activated B lymphocytes, immunoglobulin superfamily);
Gene ID	9308
mRNA Refseq	NM_001040280
Protein Refseq	NP_001035370
MIM	604534
UniProt ID	Q01151

SDS-PAGE



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