

Active GMP Recombinant Human CD80 protein

Cat. No. CD80-085HG **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GMP Recombinant Human CD80 protein(NP_005182.1)(209 aa), fused with His Tag at the C-terminal, was expressed in HEK293 cell in an animal component free process under cGMP guidelines.
Species	Human
Source	HEK293
ProteinLength	DNA sequence encoding NP_005182.1 was expressed with His tag at the C-terminal.
Form	Freeze-dried powder contains Sterile PBS (pH 7.4) with 6% mannitol.
Bio-activity	The linear range of immobilized Human CTLA-4 (Fc Tag) at 10ug/ml (50 uL/well) that can bind to human B7-1 (His Tag) is 0.05-1.0ug/ml.
Molecular Mass	Recombinant HumanB7-1 protein contains 209 aa. It has a predicted MW of 25.2 kDa.
Endotoxin	<0.1EU/ug
Purity	>=95% by SDS-PAGE and HPLC
Storage	The lyophilized preparation can be stored at 4°C for 24 months, and the dissolved liquid can be stored at -20°C for 6-12 months to avoid repeated freezing and thawing

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [CD80 CD80 molecule \[Homo sapiens \]](#)

Official Symbol [CD80](#)

Synonyms CD80; LAB7; B7; T-lymphocyte activation antigen CD80; CD_antigen=CD80; CTLA-4counter-receptor B7.1; CD28LG1; CD28LG; Activation B7-1 antigen; BB1

Gene ID [941](#)

mRNA Refseq [NM_005191](#)

Protein Refseq [NP_005182](#)

MIM [112203](#)

UniProt ID [P33681](#)

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