

Active Recombinant Human CD80 protein, Fc-His-tagged

Cat. No. CD80-589H Lot. No. (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human CD80 protein(Met 1-Asn 242)(NP_005182.1) was expressed in HEK293, fused with the C-terminal His-tagged Fc region of human IgG1 at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-242 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Measured by its ability to bind human CD28 in a functional ELISA.
Molecular Mass	The recombinant human B7-1/Fc is a disulfide-linked homodimeric protein. The reduced monomer consists of 455 amino acids and predicts a molecular mass of 51.7 kDa. By SDS-PAGE, the apparent molecular mass of rh B7-1/Fc is approximately 80-90 kDa due to the glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-

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thaw cycles.

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; CD80 molecule; CD28LG, CD28LG1, CD80 antigen (CD28 antigen ligand 1, B7 1 antigen) , CD80 molecule; T-lymphocyte activation antigen CD80; B lymphocyte activation antigen B7; B7 1; B7.1; activation B7-1 antigen; costimulatory factor CD80; CTLA-4 counter-receptor B7.1; B-lymphocyte activation antigen B7; costimulatory molecule variant IgV-CD80; CD80 antigen (CD28 antigen ligand 1, B7-1 antigen); B7; BB1; B7-1; LAB7; CD28LG; CD28LG1;

Gene ID [941](#)

mRNA Refseq [NM_005191](#)

Protein Refseq [NP_005182](#)

MIM [112203](#)

UniProt ID [P33681](#)

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