

Active Recombinant Human CD80 protein(Met1-Asn242), His&Avi-tagged, Biotinylated

Cat. No. CD80-1376H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human CD80 (NP_005182.1)(Met1-Asn242) was expressed in HEK293 with a C-terminal polyhistidine tag followed by an AVI tag.
Species	Human
Source	HEK293
ProteinLength	Met1-Asn242
Conjugation/Label	Biotin
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized Human CTLA-4 hFc at 2 µg/mL (100 µL/well) can bind Human B7-1, Biotinylated, the EC50 of Human B7-1, Biotinylated is 60-320 ng/mL.
Molecular Mass	The recombinant Human CD80 consists of 234 amino acids and predicts a molecular mass of 27.12 kDa. It migrates as an approximately 48.86 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.

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Purity	> 95 % as determined by SDS-PAGE.
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-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.
Conjugation	Biotin

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

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UniProt ID

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