

Active Recombinant Human CD80 protein, hFc-tagged

Cat. No. CD80-530H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human CD80 protein(P33681-1)(Val35-Asn242) is expressed from HEK293 with hFc (IgG1) tag at the C-Terminus.
Species	Human
Source	HEK293
ProteinLength	35-242 aa
Form	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).
Bio-activity	Immobilized Human CTLA-4, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Human B7-1, hFc Tag with the EC50 of 11.7ng/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 50.5 kDa. Due to glycosylation, the protein migrates to 70-80 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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Reconstitution Dissolve the lyophilized protein in distilled water.

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](#)

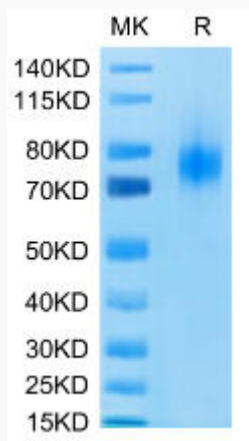
UniProt ID [P33681](#)

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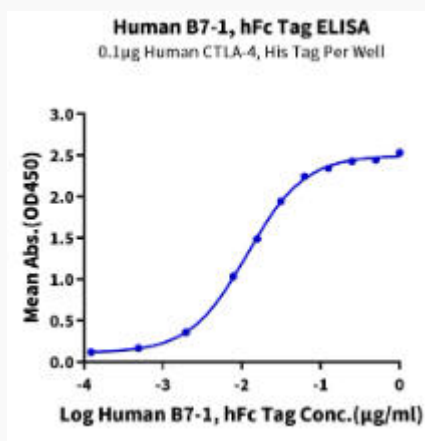
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Bis-Tris PAGE



ELISA Data



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