

Recombinant Human CD80 Protein

Cat. No. CD80-588H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CD80 protein without tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	288
Description	The protein encoded by this gene is a membrane receptor that is activated by the binding of CD28 or CTLA-4. The activated protein induces T-cell proliferation and cytokine production. This protein can act as a receptor for adenovirus subgroup B and may play a role in lupus neuropathy.
Form	Lyophilized
Molecular Mass	24.7 kDa
AA Sequence	MGHTRRQGTSPSKCPYLNFFQLLVLAGLSHFCSGVIHVTKKEVATLSCGHNVSV EELAQTRIYWQKEKKMVLTMMSGDMNIWPEYKNRTIFDITNNLSIVILALRPSDEGT ECVVLKYEKDAFKREHLAEVTLVKADFPTPSISDFEIPTSNIRRIICSTSGGFPEPHLS WLENGEELNAINTTVSQDPETELYAVSSKLDFNMTTNHFSFMCLIKYGHRLRVNQTFN WNTTKQEHFPDNLPSWAITLISVNGIFVICCLTYCFAPRCRERRRNERLRRESVRPV
Purity	> 98%

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Applications	WB; ELISA; FACS; FC
Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
Storage	At -20 centigrade.
Concentration	1 mg/mL
Storage Buffer	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
Reconstitution	Reconstitute in sterile distilled H2O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name	CD80 CD80 molecule [Homo sapiens (human)]
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

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mRNA Refseq	NM_005191
Protein Refseq	NP_005182
MIM	112203
UniProt ID	P33681

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