

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	MGHTRRQGTSPSKCPYLNFFQLLVLAGLSHFCSGVIHVTKVEKEVATLSCGHNVSV EELAQTRIWQKEKKMVLTMMSGDMNIWPEYKNRTIFDITNNLSIVILALRPSDEGT ECVVLKYEKDAFKREHLAEVTLVKADFPPTPSISDFEIPTSNIRRIICSTSGGFPEPHLS WLENGEELNAINTTVSQDPETELYAVSSKLDNFMTTNSFSMCLIKYGHLRVNQTFN 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 H ₂ O 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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