

Recombinant Human CD80, Fc-tagged

Cat. No. CD80-27510TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CD80-Fc fusion protein containing the extracellular domain of human CD80 fused to Human Fc.
Species	Human
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.
Conjugation	Fc
Tissue specificity	Expressed on activated B-cells, macrophages and dendritic cells.
Form	Liquid
Purity	Protein A purified
Storage buffer	Preservative: None Constituents: PBS, pH 7.2
Storage	Aliquot and store at -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGHTRRQGTSPSKCPYLNFFQLLVLAGLSHFCSGVIHVTKEVKEVATLSCGHNVSV EELAQTRIYWQKEKKMVLTMMSGD MNIWPEYKNRTIFDITNNLSIVILALRPSDEGTY ECVVLKYEKDAFKREHLAEVTL SVKADFPTPSISDFEIPTSNIRRI ICSTSGGFPEPHL

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SWLENGEELNAINTTVSQDPETELYAV SSKLDFNMTTNHSMCLIKYGHRLRVNQTF
 NWNTTKQEHFP DDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEV TCVVV
 DVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNST YRVVSVLTVLHQDWLNGKE
 YKCKVSNKALPAPIEKTISKA KGQPREPVYTLPPSRDELTKNQVSLTCLVKGFYPS
 DIAV EWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQ GNVFSCSVMH
 EALHNHYTQKSLSLSPGKE

Extracellular domain (amino acids 1-241) of human B7.1 sequence is underlined. Human Fc sequence is in italics.

Sequence Contains 1 Ig-like C2-type (immunoglobulin-like) domain. Contains 1 Ig-like V-type
Similarities (immunoglobulin-like) domain.

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;

Gene ID 941

mRNA Refseq NM_005191

Protein Refseq NP_005182

MIM 112203

Uniprot ID P33681

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Chromosome Location	3q13.3-q21
Pathway	Adaptive Immune System, organism-specific biosystem; Allograft rejection, organism-specific biosystem; Allograft rejection, conserved biosystem; Autoimmune thyroid disease, organism-specific biosystem; Autoimmune thyroid disease, conserved biosystem;
Function	coreceptor activity; protein binding; receptor activity;

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