

## Recombinant Human CD80, Fc-tagged

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

### SPECIFICATION

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

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SWLENGEELNAINTTVSQDPETELYAV SSKLDFNMTTNHFSMCLIKYGHLRVNQTF  
 NWNTTKQEHFP DDKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEV TCVVV  
 DVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNST YRVVSVLTVLHQDWLNGKE  
 YKCKVSNKALPAPIEKTISKA KGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPS  
 DIAV EWESNGQPENNYKTTTPVLDSGDSFFLYSKLTVDKSRWQQ GNVFSCSVMH  
 EALHNHYTQKSLSLSPGKE *Extracel lular domain (amino acids 1-241) of human B7.1 s  
 equence 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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<b>Chromosome Location</b>	3q13.3-q21
<b>Pathway</b>	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;
<b>Function</b>	coreceptor activity; protein binding; receptor activity;

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