

## Recombinant Human CD80 Protein, GST-Tagged

**Cat. No.** CD80-0864H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human CD80 full-length ORF (AAH42665, 35 a.a. - 288 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                   |
| <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. [provided by RefSeq, Aug 2011] |
| <b>Molecular Mass</b>   | 53.68 kDa                                                                                                                                                                                                                                                                                                                    |
| <b>AA Sequence</b>      | VIHVTKEVKEVATLSCGHNVSV EELAQTRIYWQKEKKMVLTMMSGDMNIWPEYKNR<br>TIFDITNNLSIVILALRPSDEGTYECVVLKYEKDAFKREHLAEVTL SVKADFPTPSISDF<br>EIPTSNIRRIICSTSGGFPEPHLSWLENGEELNAINTTVSQDPETELYAVSSKLDFNMT<br>TNHSFMCLIKYGHLRVNQTFNWNTTKQEHFPDNL LPSWAITLISVNGIFVICCLTYCF<br>APRCRERRRRNERLRRESVRPV                                           |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array                                                                                                                                                                                                            |

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**Storage** Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## 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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