

# Recombinant Human CD80 Protein (ECD), His-tagged(C-ter)

**Cat. No.** CD80-38H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human CD80 Protein (ECD) with His tag (C-ter) was expressed in HEK293.                                                                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | Val35-Asn242                                                                                                                                                                                                                                                                                                                 |
| <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>Form</b>             | Powder                                                                                                                                                                                                                                                                                                                       |
| <b>Endotoxin</b>        | Endotoxin level is less than 0.1 EU/μg of the protein, as determined by the LAL test.                                                                                                                                                                                                                                        |
| <b>Purity</b>           | > 92% (by SDS-PAGE)                                                                                                                                                                                                                                                                                                          |
| <b>Applications</b>     | Binding, SDS-PAGE                                                                                                                                                                                                                                                                                                            |
| <b>Notes</b>            | For laboratory research only, not for drug, diagnostic or other use.                                                                                                                                                                                                                                                         |
| <b>Storage</b>          | Lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot                                                                                                                                                                                                                                        |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

and store at -20°C for up to one month, at 2-8°C for up to one week. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.

**Storage Buffer** PBS (pH 7.4)

**Reconstitution** Reconstitute to a concentration of 0.1-0.5 mg/ml in sterile distilled water.

## 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

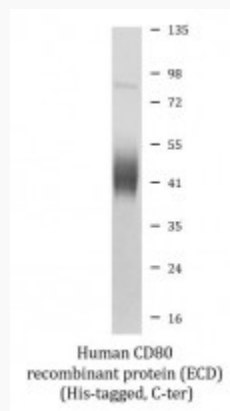
**MIM** 112203

**UniProt ID** P33681

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**SDS-PAGE**

Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA