

## Product datasheet for **TP700242**

### **B7-1 (CD80) (NM\_005191) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of human CD80 molecule (CD80), with C-terminal Fc/His tag, expressed in human cells, 20 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	A DNA sequence from TrueORF clone, RC206540, encoding the region (Val35 – Asn242) of human CD80
<b>Tag:</b>	C-Fc/His
<b>Predicted MW:</b>	51 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	PBS, pH 7.4, 10% glycerol
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_005182</a>
<b>Locus ID:</b>	941
<b>UniProt ID:</b>	<a href="#">P33681</a> , <a href="#">A0NOP2</a>
<b>RefSeq Size:</b>	2757
<b>Cytogenetics:</b>	3q13.33
<b>RefSeq ORF:</b>	864
<b>Synonyms:</b>	B7; B7-1; B7.1; BB1; CD28LG; CD28LG1; LAB7



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**Summary:** 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]

**Protein Families:** Druggable Genome, Transcription Factors, Transmembrane

**Protein Pathways:** Allograft rejection, Autoimmune thyroid disease, Cell adhesion molecules (CAMs), Graft-versus-host disease, Systemic lupus erythematosus, Toll-like receptor signaling pathway, Type I diabetes mellitus, Viral myocarditis

**Product images:**

