

## Product datasheet for **AR31193PU-N**

### CD86 (Fc portion) Human Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	CD86 (Fc portion) human recombinant protein, 0.1 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	CHO
<b>Expression cDNA Clone or AA Sequence:</b>	LKIQAYFNET ADLPCQFANS QNQSLSELVW FWQDQENLVL NEVYLGKEKF DSVHSKYMGR TSFSDSDSWTL RLHNLQIKDK GLYQCIHHK KPTGMIRIHQ MNSELSVLAN FSQPEIVPIS NITENVYINL TCSSIHGYPE PKKMSVLLRT KNSTIEYDGV MQKSQDNVTE LYDVSISLSV SFPDVTSNMT IFCILETDKT RLLSSPFSIE LEDPQPPPDH GGPKSCDKTH TCPPCPAPEL LGGPSVFLFP PKPKDTLMIS RTPEVTCVVV DVSHEDPEVK FNWYVDGVEV HNAKTKPREE QYNSTYRVVS VLTVLHQDWL NGKEYKCKVS NKALPAPIEK TISKAKGQPR EPQVYTLPPS RDELTKNQVS LTCLVKGFYP SDIAVEWESN GQPENNYKTT PPVLDSDGSF FLYSKLTVDK SRWQQGNVFS CSVMHEALHN HYTQKLSLSL PGK
<b>Predicted MW:</b>	52.2 kDa
<b>Purity:</b>	>95% pure by SDS-PAGE and HPLC analyses
<b>Buffer:</b>	Presentation State: Purified State: Lyophilized purified protein
<b>Bioactivity:</b>	Biological: Determined by its ability to inhibit alkaline phosphatase activity in differentiating MC3T3/E1 cells. The expected ED <sub>50</sub> for this effect is 0.5-1.5 µg/ml.
<b>Endotoxin:</b>	< 0.1 ng per µg (1EU/µg)
<b>Reconstitution Method:</b>	Restore in Water to a concentration of 0.1-1.0 mg/ml. This solution can then be diluted into other aqueous buffers and stored at 2-8°C for 1 week or -20°C for future use.
<b>Preparation:</b>	Lyophilized purified protein
<b>Protein Description:</b>	Recombinant Human B7-2Fc is a homodimeric B7-2 fusion protein, whose monomer contains a total of 453 amino acid residues, consisting of 222 amino acid residues corresponding to the extracellular domain of Human B7-2, fused to the Fc portion of Human IgG1. The calculated molecular weight of the B7-2 Fc monomer is 51.2 kDa.
<b>Note:</b>	Centrifuge the vial prior to opening!



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<b>Storage:</b>	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>RefSeq:</b>	<a href="#">NP_001193853</a>
<b>Locus ID:</b>	942
<b>UniProt ID:</b>	<a href="#">P42081</a>
<b>Cytogenetics:</b>	3q13.33
<b>Synonyms:</b>	CD28LG2, Activation B7-2 antigen, B70, BU63, B7.2, FUN-1
<b>Summary:</b>	This gene encodes a type I membrane protein that is a member of the immunoglobulin superfamily. This protein is expressed by antigen-presenting cells, and it is the ligand for two proteins at the cell surface of T cells, CD28 antigen and cytotoxic T-lymphocyte-associated protein 4. Binding of this protein with CD28 antigen is a costimulatory signal for activation of the T-cell. Binding of this protein with cytotoxic T-lymphocyte-associated protein 4 negatively regulates T-cell activation and diminishes the immune response. Alternative splicing results in several transcript variants encoding different isoforms.[provided by RefSeq, May 2011]
<b>Protein Families:</b>	Druggable Genome, Transcription Factors, Transmembrane
<b>Protein Pathways:</b>	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