

Product datasheet for **AR31192PU-N**

CD80 (Fc portion) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	CD80 (Fc portion) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	CHO
Expression cDNA Clone or AA Sequence:	VIHVTKEVKE VATLSCGHNV SVEELAQTRI YWQKEKMMVL TMMSGDMNIW PEYKNRTIFD ITNLSIVIL ALRPSDEGTY ECVLKYEKD AFKREHLAEV TLSVKADFPT PSISDFEIPT SNIRRIICST SGGFPEPHLS WLENGEELNA INTTVSQDPE TELYAVSSKL DFNMTTNHSF MCLIKYGHLR VNQTFNWNTT KQEHFPDNGG PKSCDKTHTC PPCPAPELLG GPSVFLFPPK PKDTLMISRT PEVTCVVVDV SHEDPEVKFN WYVDGVEVHN AKTKPREEQY NSTYRWVSVL TVLHQDWLNG KEYKCKVSNK ALPAIEKTI SKAKGQPREP QVYTLPPSRD ELTKNQVSLT CLVKGFYPSD IAVEWESNGQ PENNYKTPPP VLDSGDGSFFL YSKLTVDKSR WQQGNVFCSC VMHEALHNHY TQKLSLSLSPG K
Predicted MW:	50.0 kDa
Purity:	>95% pure by SDS-PAGE and HPLC analyses
Buffer:	Presentation State: Purified State: Lyophilized purified protein from 10 mM Sodium Phosphate, pH 7.5
Bioactivity:	Biological: Determined by its ability to inhibit alkalinephosphatase activity in differentiating MC3T3/E1 cells. The expected ED ₅₀ for this effect is 0.5-1.5 µg/ml.
Endotoxin:	< 0.1 ng per µg (1EU/µg)
Reconstitution Method:	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.
Preparation:	Lyophilized purified protein
Protein Description:	Recombinant Human B7-1Fc is a homodimeric B7-1 fusion protein, whose monomer contains a total of 441 amino acid residues, consisting of 211 amino acid residues corresponding to the extracellular domain of human B7-1, fused to the Fc portion of human IgG1. The calculated molecular weight of the B7-1 Fc monomer is 50.0 kDa.
Note:	Centrifuge the vial prior to opening!



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Storage:	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.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_005182
Locus ID:	941
UniProt ID:	P33681
Cytogenetics:	3q13.33
Synonyms:	CD28LG, CD28LG1, LAB7, BB1, B7.1, B7-1
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