



Catalog Number: PR27303

Product Type: Recombinant Protein

Source: Sf9, Baculovirus Cells

Amino Acid Sequence: ADPNKILVKQ SPMLVAYDNA VNLSCKYSYN LFSREFRASL HKGLDSAVEV CVVYGNYSQQ LQVYSKTGFN CDGKLGNEV TFYLQNLVYN QTDIYFCKIE VMYPPPYLDN EKSNGTIIHV KGKHLCPSP L FPGPSKPLEP KSCDKTHTCP PCPAPELLGG PSVFLFPPKP KDTLMISRTP EVTCVVVDVS HEDPEVKFNW YVDGVEVHNA KTKPREEQYN STYRVVSVLT VLHQDWLNGK EYKCKVSNKA LPAPIEKTIS KAKGQPREPQ VYTLPPSRDE LTKNQVSLTC LVKGFYPSDI AVEWESNGQP ENNYKTTTPV LDSDGSFFLY SKLTVDKSRW QQGNVFSCSV MHEALHNHYT QKSLSLSPGK HHHHHH.

Description/Molecular Mass: CD28 co-stimulation is necessary for CD4 positive T-cell proliferation & survival, interleukin-2 production, and T-helper type-2 development. Human post-thymic regulatory T cells require CD28 co-stimulation to expand and maintain potent suppressive function in vivo. Apoptosis plays a key role in the age-related decline of CD28 expression and in immunosenescence.

CD28 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 376 amino acids (19-152a.a.) and having a molecular mass of 42.4kDa (Molecular size on SDS-PAGE will appear at approximately 40-57kDa). CD28 is expressed with a 242 amino acids hIgG-His tag at C-Terminus and purified by proprietary chromatographic techniques.

Purity: Greater than 90.0% as determined by:
(a) Analysis by SDS-PAGE.

Format: CD28 protein solution (1mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

Storage: Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage, it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

FOR RESEARCH USE ONLY

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