

## 32-13088: CD28 Human

**Alternative Name :** T-cell-specific surface glycoprotein CD28, TP44, CD\_antigen: CD28, T-cell-specific surface glycoprotein CD28 isoform 1.

### Description

Source: Sf9, Baculovirus cells.

Sterile filtered colorless solution.

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.

### Product Info

**Amount :** 2 µg / 10 µg

**Purification :** Greater than 90.0% as determined by SDS-PAGE.

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

**Storage condition :** 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.

**Amino Acid :** ADPNKILVKQ SPMLVAYDNA VNLCKYSYN LFSREFRASL HKGLDSAVEV CVVYGNYSQQ  
LQVYSKTGFN CDGKLGNEV TFYLNLYVN QTDIYFCKIE VMYPYLDN EKSNGTIIHV  
KGKHLCPSP FPGPSKPLEP KSCDKTHTCP PCPAPELLGG PSVFLFPPKP KDTLMISRT  
EVTGVVVDVS HEDPEVKFNW YVDGVEVHNA KTKPREEQYN STYRVVSVLT VLHQDWLNGK  
EYKCKVSNKA LPAPIEKTIS KAKGQPREPQ VYTLPPSRDE LTKNQVSLTC LVKGFYPSDI  
AVEWESNGQP ENNYKTTTPV LKSDGSFFLY SKLTVDKSRW QQGNVFSCSV MHEALHNHYT  
QKSLSLSPGK HHHHHH.