

## Active Recombinant Human CD28 protein, Biotin-labelled

Cat. No. CD28-32H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	<p>Human CD28-mulg fusion protein was Protein A purified from (low FBS containing) tissue culture supernatant of CHO transfectants, and reacted with NHS-Biotin. Unconjugated Biotin was removed from conjugate by diafiltration. A soluble fusion protein consisting of the extracellular (134aa) domain of human CD28 fused to murine IgG2a Fc (233aa).</p>
<b>Species</b>	Human
<b>Source</b>	CHO
<b>Description</b>	<p>Human CD28 is an important costimulatory molecule found on all CD4+ T cells and on about half of the CD8+T cells. T cell activities attributed to CD28 include, prevention of anergy, induction of cytokine gene transcription, stabilization of cytokine mRNAs and activation of CD8+ cytotoxic T lymphocytes. The ligands for CD28, identified as CD80 (B7-1) and CD86 (B7-2), are immunoglobulin superfamily monomeric transmembrane glycoproteins of 60 kd and 80 kd, respectively.</p>
<b>Bio-activity</b>	<p>CD28-mulg/Biotin activity was assessed in EIA utilizing GAM-captured Recombinant CD80-mulg, and Streptavidin/HRP as a detector. In this format, the fusion protein was detectable at 100 ng/ml.</p>
<b>Notes</b>	<p>Research use only. Not for use in Diagnostic procedures.</p>
<b>Stability</b>	<p>Product should retain activity for at least 12 months after shipping date when stored as recommended.</p>

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<b>Storage</b>	Store at 2 - 5 centigrade. Freeze/Thawing is not recommended.
<b>Concentration</b>	0.5 mg/mL
<b>Storage Buffer</b>	50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 5% Glycerol, 0.2% BSA, 0.04% NaN <sub>3</sub> (as a preservative).
<b>Conjugation</b>	Biotin

## GENE INFORMATION

<b>Gene Name</b>	CD28
<b>Official Symbol</b>	CD28 CD28 molecule [ Homo sapiens (human) ]
<b>Synonyms</b>	CD28; CD28 molecule; Tp44; T-cell-specific surface glycoprotein CD28; CD28 antigen
<b>Gene ID</b>	940
<b>mRNA Refseq</b>	NM_006139
<b>Protein Refseq</b>	NP_006130
<b>MIM</b>	186760
<b>UniProt ID</b>	P10747

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