# Recombinant Human CD28 protein, His-Avi-tagged, Biotinylated

**Cat. No.** CD28-747HB **Lot. No.** (See product label)

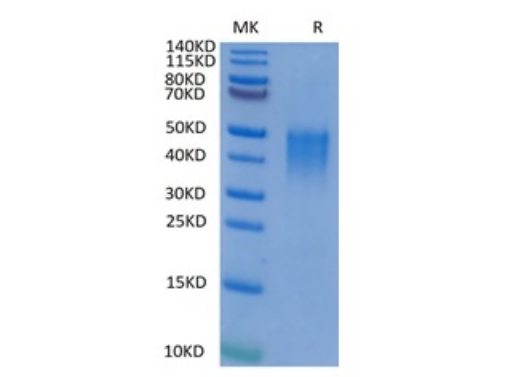
## SPECIFICATION

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| **Product Overview** | Biotinylated Recombinant human CD28 Protein is expressed from mammalian with a His Tag and Avi Tag at the N-terminal. It contains Thr17-Pro152. |
| **Species** | Human |
| **Source** | HEK293 |
| **ProteinLength** | Thr17-Pro152 |
| **Description** | CD28 is the receptor for CD80(B7-1) and CD86(B7-2) proteins.When activated by Toll-like receptor ligands, the CD80 expression is upregulated in antigen presenting cells (APCs). The CD86 expression on antigen presenting cells is constitutive. CD28 is the only B7 receptor constitutively expressed on naive T cells. |
| **Form** | Supplied as 0.22um filtered solution in 50mM Tris, 200mM NaCl (pH 9.0). |
| **Molecular Mass** | The protein has a predicted MW of 18.2 kDa.Due to glycosylation, the protein migrates to 38-50 KDa based on Bis-Tris PAGE result. |
| **Endotoxin** | Less than 0.05 EU per ug by the LAL method. |
| **Purity** | > 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC |
| **Storage** | The product should be stored at -70°C. Please do not repeated freeze-thaw cycles. |

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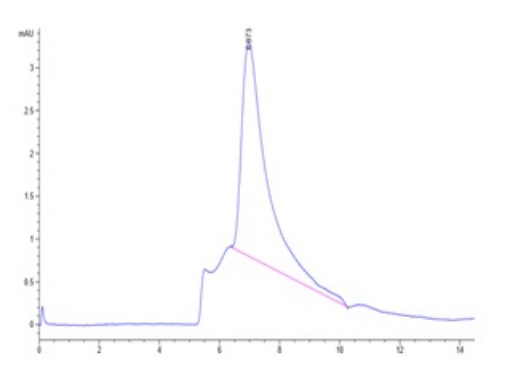
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| **Conjugation** | Biotin |

## GENE INFORMATION

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|---|---|
| **Gene Name** | CD28 |
| **Official Symbol** | CD28 |
| **Synonyms** | CD28 antigen(Tp44); CD28 antigen; CD28 molecule; CD28; MGC138290; T-cell-specific surface glycoprotein CD28; Tp44 |
| **Gene ID** | 940 |
| **mRNA Refseq** | NM_001243077.2 |
| **Protein Refseq** | NP_001230006.1 |
| **MIM** | 186760 |
| **UniProt ID** | P10747 |
| **Tris-Bis PAGE of CD28-747HB** |  |



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| **SEC-HPLC of CD28-747HB** |  |

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