

## CD28 Protein, Mouse (Biotinylated , HEK293, His)

Cat. No.:	HY-P74311
Synonyms:	CD28; T-cell-specific surface glycoprotein CD28; Tp44
Species:	Mouse
Source:	HEK293
Accession:	P31041 (N20-K149)
Gene ID:	12487
Molecular Weight:	32-35 kDa

### PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	CD28 Protein, a key player in T-cell activation, is involved in inducing cell proliferation, cytokine production, and promoting T-cell survival. It enhances the production of IL4 and IL10 in T-cells when combined with TCR/CD3 ligation and CD40L costimulation. CD28 Protein exists as a homodimer through disulfide-linkage and interacts with DUSP14. It binds to CD80/B7-1 and CD86/B7-2/B70, and also has an interaction with GRB2 (By similarity).
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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