

## CD28 Protein, Mouse (130a.a, HEK293, Fc-His)

<b>Cat. No.:</b>	HY-P70614
<b>Synonyms:</b>	T-cell-specific surface glycoprotein CD28; CD28
<b>Species:</b>	Mouse
<b>Source:</b>	HEK293
<b>Accession:</b>	P31041 (N20-K149)
<b>Gene ID:</b>	12487
<b>Molecular Weight:</b>	Approximately 60.0 kDa

### PROPERTIES

<b>AA Sequence</b>	<p>N K I L V K Q S P L      L V V D S N E V S L      S C R Y S Y N L L A      K E F R A S L Y K G</p> <p>V N S D V E V C V G      N G N F T Y Q P Q F      R S N A E F N C D G      D F D N E T V T F R</p> <p>L W N L H V N H T D      I Y F C K I E F M Y      P P P Y L D N E R S      N G T I I H I K E K</p> <p>H L C H T Q S S P K</p>
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
<b>Endotoxin Level</b>	<1 EU/µg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
<b>Storage &amp; Stability</b>	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.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	<p>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).</p>
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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