

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

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

PROPERTIES

AA Sequence	<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>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
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 ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
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	<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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