

CD28 Protein, Rat (HEK293, Fc)

Cat. No.:	HY-P74310
Synonyms:	CD28; T-cell-specific surface glycoprotein CD28; Tp44
Species:	Rat
Source:	HEK293
Accession:	P31042/EDL98926.1 (N20-K149)
Gene ID:	25660
Molecular Weight:	Approximately 42 kDa

PROPERTIES

Appearance	Solution
Formulation	Supplied as a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice

DESCRIPTION

Background	CD28 Protein plays a crucial role in T-cell activation by inducing cell proliferation, cytokine production, and promoting T-cell survival. It works in conjunction with TCR/CD3 ligation and CD40L costimulation to enhance the production of IL4 and IL10 in T-cells. CD28 Protein forms a homodimer through disulfide-linkage and interacts with DUSP14. Additionally, it binds to CD80/B7-1 and CD86/B7-2/B70, and 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.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA