



Certificate of Analysis

CD28 Protein, Rat (HEK293, His)

Cat. No.:	HY-P74309
Batch No.:	316427
Species:	Rat
Source:	HEK293
Tag:	C-His
Accession:	P31042 (N20-K149)
Gene ID:	25660
Molecular Weight:	The protein migrates as approximately 30-36 kDa under reducing SDS-PAGE due to glycosylation.

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	≥95.0%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Immobilized Recombinant Human B7-2 Protein at 2 μg/mL (100 μL/well) can bind Recombinant Rat CD28 Protein. The ED ₅₀ for this effect is 955.5 ng/mL.	955.5 ng/mL
Appearance	Lyophilized powder	
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.	

Caution: Product has not been fully validated for medical applications. For research use only.

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