



Certificate of Analysis

CD28 Protein, Human (HEK293)

Cat. No.:	HY-P74313
Batch No.:	285217
Species:	Human
Source:	HEK293
Tag:	Tag Free
Accession:	P10747-1 (N19-P152)
Gene ID:	940
Molecular Weight:	34-44 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 90% as determined by reducing SDS-PAGE.	≥90.0%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Human CD28 at 1 μg/mL (100 μL/well) can bind Biotinylated Human B7-1 protein. The ED ₅₀ for this effect is 521.3 ng/mL.	PASS
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. 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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