



Certificate of Analysis

GMP CD40L/CD154/TRAP Protein, Human (HEK293)

Cat. No.:	HY-P70609G
Batch No.:	230903
Species:	Human
Source:	HEK293
Tag:	Tag Free
Accession:	P29965 (M113-L261)
Gene ID:	959
Molecular Weight:	16-18 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	96.25%
Endotoxin Level	<0.1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its binding ability in a functional ELISA. The EC ₅₀ for the effect is < 0.5 μg/mL.	0.11 μg/mL
pH Value	7.0	
Host Cell Protein (ELISA)	0.045 ng/mL	
Host Cell DNA (qPCR)	0.0068 ng/mg	
Mycoplasma	Negative	
Sterility	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.

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