



Certificate of Analysis

ICOS Protein, Rat (HEK293, Fc)

Cat. No.:	HY-P74868
Batch No.:	344805
Species:	Rat
Source:	HEK293
Tag:	C-hFc
Accession:	Q9R1T7 (E21-L142)
Gene ID:	64545
Molecular Weight:	Approximately 43-50 kDa due to the glycosylation

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE	95.60%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its ability to inhibit Jurkat proliferation induced by B7-H2 in the presence of anti-CD3. The ED ₅₀ for this effect is 3.252 μg/mL in the presence of 3 μg/mL Human B7-H2 and 20 ng/mL of anti-CD3, corresponding to a specific activity is 307.503 units/mg.	3.252 μg/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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