



Certificate of Analysis

B7-H4 Protein, Rat (HEK293, His)

Cat. No.:	HY-P75485
Batch No.:	423135
Species:	Rat
Source:	HEK293
Tag:	C-6*His
Accession:	Q501W4 (F29-S256)
Gene ID:	295322
Molecular Weight:	Approximately 42-65 kDa due to the 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	Measured by its ability to inhibit anti-CD3 antibody induced IL-2 secretion by human T cells. The ED ₅₀ for this effect is 0.9752 μg/mL in the presence of 5 μg/mL anti-CD3, corresponding to a specific activity is 1.025×10 ³ U/mg.	0.9752 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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