



Certificate of Analysis

TGF beta 1/TGFB1 Protein, Mouse/Rat (HEK293)

Cat. No.:	HY-P70648
Batch No.:	316345
Species:	Mouse
Source:	HEK293
Tag:	Tag Free
Accession:	P04202(A279-S390)
Gene ID:	21803
Molecular Weight:	Approximately 13.0 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	≥98.0%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	The ability to inhibit IL-4-dependent proliferation of TF-1 human erythroleukemic cells has an ED50 value of 5-25 pg/mL.	16.7 pg/mL
Appearance	Lyophilized powder	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in 4mM HCl. 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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