



Certificate of Analysis

TGF beta 1/TGFB1 Protein, Human (CHO)

Cat. No.:	HY-P7118
Batch No.:	269720
Species:	Human
Source:	CHO
Tag:	Tag Free
Accession:	P01137 (A279-S390)
Gene ID:	7040
Molecular Weight:	12-14 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 the IL-4-dependent proliferation of TF 1 human erythroleukemic cells has an ED ₅₀ value of 4-40 pg/mL.	11.6 pg/mL
Appearance	Lyophilized powder.	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O or diluted with 50 mM Citrate. 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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