



Certificate of Analysis

Latent TGF beta 1/TGFB1 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P78360
Batch No.:	345763
Species:	Mouse
Source:	HEK293
Tag:	N-His
Accession:	P04202 (L30-S390)
Gene ID:	21803
Molecular Weight:	Approximately 11 & 40 & 51 kDa due to the glycosylation

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by Tris-Bis PAGE.	97.00%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its ability to inhibit the IL-4-dependent proliferation of HT-2 mouse T cells. The ED ₅₀ for this effect is ≤0.2066 ng/mL, corresponding to a specific activity is ≥4.84×10 ⁶ units/mg.	0.177 ng/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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