



Certificate of Analysis

TGF beta 1/TGFB1 Protein, Human (HEK293)

Cat. No.:	HY-P70543
Batch No.:	676062
Species:	Human
Source:	HEK293
Tag:	Tag Free
Accession:	P01137 (A279-S390)
Gene ID:	7040
Molecular Weight:	Approximately 13-15 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by Tris-Bis PAGE/SDS-PAGE.	≥98.0%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its ability to inhibit cell proliferation of Mv-1-lu mink lung epithelial cells. The ED ₅₀ for this effect is 0.06323-0.0964 ng/mL, corresponding to a specific activity is 1.037-1.58×10 ⁷ units/mg.	0.073 ng/mL
Appearance	Lyophilized powder	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in 4mM HCl.	
Storage & Stability	Stored at -20°C for 2 years from date of receipt. 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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