



# Certificate of Analysis

## TGF beta 1/TGFB1 Protein, Human (278a.a, HEK293, His)

Cat. No.: HY-P73616  
 Batch No.: 254748  
 Species: Human  
 Source: HEK293  
 Tag: C-10\*His  
 Accession: P01137 (L30-R278, C33S)  
 Gene ID: 7040  
 Molecular Weight: Approximately 40-57 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 proliferation of HT-2 mouse T cells. The ED <sub>50</sub> this effect is ≤0.04393 μg/mL, corresponding to a specific activity is ≥2.276×10 <sup>4</sup> units/mg.	38.32 ng/mL
Appearance	Lyophilized powder	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH <sub>2</sub> 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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