



# Certificate of Analysis

## Animal-Free TGF beta 1/TGFB1 Protein, Pig (His)

Cat. No.: HY-P700251AF  
 Batch No.: 273809  
 Species: Pig  
 Source: *E. coli*  
 Tag: C-His  
 Accession: P07200 (A279-S390)  
 Gene ID: 397078  
 Molecular Weight: Approximately 13.7 kDa

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	≥95.0%
Endotoxin Level	<0.1 EU per 1 µg of the protein by the LAL method.	PASS
Biological Activity	Measure by its ability to inhibit IL-4-induce proliferation in HT-2 cells. The ED <sub>50</sub> for this effect is <0.1 ng/mL.	<0.1 ng/mL
Appearance	Lyophilized powder	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in 10 mM HCl.	
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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