



Certificate of Analysis

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

Cat. No.:	HY-P700227AF
Batch No.:	260871
Species:	Mouse
Source:	<i>E. coli</i>
Tag:	C-His
Accession:	P04202 (A279-S390)
Gene ID:	21803
Molecular Weight:	Approximately 13.8 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 the IL-4 dependent proliferation in HT-2 cells. The ED ₅₀ for this effect is <0.1 ng/mL.	PASS
Appearance	Lyophilized powder.	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.	
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. 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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