



# Certificate of Analysis

## Latent TGF beta 1/TGFB1 Protein, Cynomolgus (C33S, HEK293, His)

Cat. No.:	HY-P78584
Batch No.:	267698
Species:	Cynomolgus
Source:	HEK293
Tag:	N-His
Accession:	XP_005589396.1 (L30-S390, C33S)
Gene ID:	102129546
Molecular Weight:	approximately 50-60, 35-45, 13 kDa

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 90% as determined by reducing SDS-PAGE.	≥90.0%
Endotoxin Level	<1 EU/μg, determined by LAL method.	<1 EU/μg
Biological Activity	Measured by its ability to inhibit proliferation of HT-2 mouse T cells. The ED <sub>50</sub> this effect is 1.306 ng/ml, corresponding to a specific activity is 7.66×10 <sup>5</sup> units/mg.	1.306 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. 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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