



# Certificate of Analysis

## GMP TGF beta 1/TGFB1 Protein, Human (CHO)

Cat. No.:	HY-P70543G
Batch No.:	255102
Species:	Human
Source:	CHO
Tag:	Tag Free
Accession:	P01137
Gene ID:	7040
Molecular Weight:	Approximately 13.0 kDa

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	≥95.0%
Endotoxin Level	<0.1 EU/μg, determined by LAL method.	PASS
Biological Activity	The specific activity is > 2×10 <sup>7</sup> U/mg.	3.03×10 <sup>9</sup> IU/mg
pH Value	2.5	
Host Cell Protein (ELISA)	0.05 ng per μg of protein	
Host Cell DNA (qPCR)	< 0.001 ng per mg of protein	
Mycoplasma	Negative	
Sterility	PASS	
Appearance	Lyophilized powder.	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in injection water.	
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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