



# Certificate of Analysis

## TGFBI Protein, Human(HEK293, His)

Cat. No.:	HY-P74525A
Batch No.:	355295
Species:	Human
Source:	HEK293
Tag:	C-10*His
Accession:	NP_000349.1 (G24-H683)
Gene ID:	7045
Molecular Weight:	Approximately 75 kDa

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 90% as determined by reducing SDS-PAGE.	90.00%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its ability to induce adhesion of ATDC5 mouse chondrogenic cells. When $5 \times 10^4$ cells/well are added to Recombinant rh beta IG-H3 coated plates (5μg/mL with 100 μL/well), 68.78% cells will adhere.	PASS
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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