



Certificate of Analysis

TGFBR1/ALK-5 Protein, Human (HEK293, Fc)

Cat. No.:	HY-P72453
Batch No.:	122070
Species:	Human
Source:	HEK293
Tag:	C-hFc
Accession:	P36897 (L34-E125)
Gene ID:	7046
Molecular Weight:	Approximately 55 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	97.83%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its binding ability in a functional ELISA. When Recombinant Human TGF-beta RII is immobilized at 1 μg/mL (100 μL/well), it binds Recombinant Human TGF-beta RI in the presence of TGF-beta 1. The concentration of rhTGF-beta RI that produces 50% of the optimal binding response is approximately 1.278 μg/mL.	1.278 μg/mL.
Appearance	Lyophilized powder.	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ 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. 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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