

Bioactive

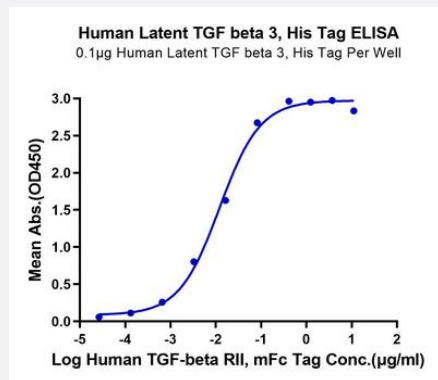
HuPro®

TGFB3 (Human) Recombinant Protein

Catalog # P9732

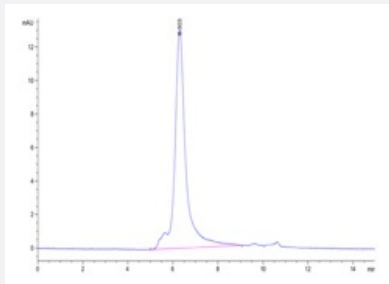
Size 100 ug

Applications



Enzyme-linked Immunoabsorbent Assay

Immobilized Human Latent TGF beta 3, His Tag at 1 ug/mL (100 uL/well) on the plate. Dose response curve for Human TGF-beta RII, mFc Tag with the EC50 of 12.1 ng/mL determined by ELISA.



SEC-HPLC

The purity of Human Latent TGF beta 3 is greater than 95% as determined by SEC-HPLC.

Specification

Product Description

Human TGFB3 (P10600-1, 24 a.a. - 412 a.a.) partial recombinant protein with His tag at N-terminus expressed in HEK293 cells.

Sequence

LSTCTTLDFGHIKKRVEAIRGQILSKLRLTSPPEPTVMTHVPYQVLALYNSTRELLEEMHGEREEG
CTQENTESEYYAKEIHKFDMIQGLAEHNELAVCPKGITSKVFRFNVSSEKNRTNLFRAEFRVLRV
PNPSSKRNEQRIELFQILRPDEHIAKQRYIGGKNLPTRGTAEWLSFDVTDTVREWLLRRESNLGLEI
SIHCPCHTFQPNGDILENIHEVMEIKFKGVDNEDDHGRGDLGRLKKQKDHHNPHLILMMIPPHRLD
NPGQGGQRKKRALDTNYCFRNLEENCCVRPLYIDFRQDLGWKWWHEPKGYANFCSGPCPYLR
SADTTHSTVLGLYNTLNPEASASPCCVPDLEPLTILYYVGRTPKVEQLSNMVMVKCKCS

Host

Human

Theoretical MW (kDa)	45.9
Form	Lyophilized
Preparation Method	Mammalian cell (Expi293, high-yield transient HEK293) expression system
Purity	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	The EC ₅₀ was 12.1 ng/mL, measured by ELISA at 1 ug/mL.
Quality Control Testing	SEC-HPLC and Tris-Bis PAGE SEC-HPLC The purity of Human Latent TGF beta 3 is greater than 95% as determined by SEC-HPLC.
Recommend Usage	Biological Activity ELISA SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from sterile distilled Water is > 100 ug/mL
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis

Applications

- Enzyme-linked Immunoabsorbent Assay

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- Functional Study

- SDS-PAGE

Gene Info — TGFB3

Entrez GeneID	7043
Protein Accession#	P10600-1
Gene Name	TGFB3

Gene Alias	ARVD, FLJ16571, TGF-beta3
Gene Description	transforming growth factor, beta 3
Omim ID	107970 190230
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the TGF-beta family of proteins. The encoded protein is secreted and is involved in embryogenesis and cell differentiation. Defects in this gene are a cause of familial arrhythmogenic right ventricular dysplasia 1. [provided by RefSeq]
Other Designations	transforming growth factor-beta 3

Pathway

- [Cell cycle](#)
- [Chronic myeloid leukemia](#)
- [Colorectal cancer](#)
- [Cytokine-cytokine receptor interaction](#)
- [Hypertrophic cardiomyopathy \(HCM\)](#)
- [MAPK signaling pathway](#)
- [Pancreatic cancer](#)
- [Pathways in cancer](#)
- [Renal cell carcinoma](#)
- [TGF-beta signaling pathway](#)

Disease

- [Albuminuria](#)
- [Anodontia](#)
- [Aortic Aneurysm](#)
- [Cleft Lip](#)
- [Cleft Palate](#)

- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Disease Models](#)
- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis C](#)
- [Hypertension](#)
- [Hypertrophy](#)
- [Keloid](#)
- [Kidney Diseases](#)
- [Liver Cirrhosis](#)
- [Lupus Erythematosus](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Ovarian Neoplasms](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Pulmonary Fibrosis](#)
- [Sarcoidosis](#)
- [Syndrome](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Ventricular Dysfunction](#)