

Bioactive

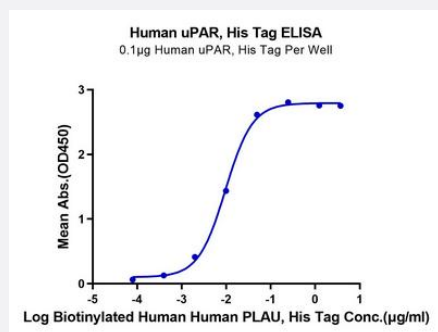
HuPro®

TGFB3 (Human) Recombinant Protein

Catalog # P9733

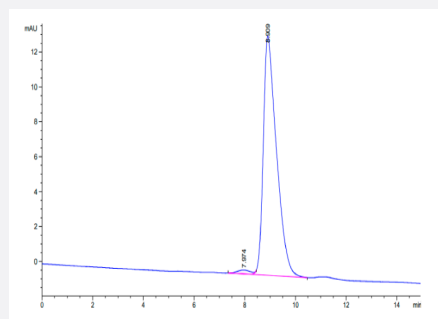
Size 100 ug

Applications



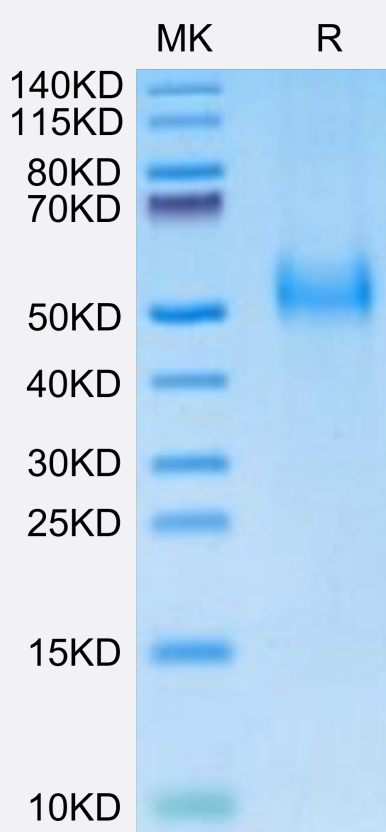
Enzyme-linked Immunoabsorbent Assay

Immobilized Human uPAR, His Tag at 1 ug/mL (100 uL/well) on the plate. Dose response curve for Biotinylated Human Human PLAU, His Tag with the EC50 of 9.6 ng/mL determined by ELISA.



SEC-HPLC

The purity of Human uPAR is greater than 95% as determined by SEC-HPLC.



Tris-Bis PAGE

Human uPAR on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

Specification

Product Description

Human TGFB3 (Q03405-1, 23 a.a. - 305 a.a.) partial recombinant protein with His tag and Avi tag at C-terminus expressed in HEK293 cells.

Sequence

LRCMQCKTNGDCRVEECALGQDLCRTTIVRLWEEGEELELVEKSCETHSEKTNRTLSYRTGLKITS
LTEVVCGLDLCNQGNNGRAVTYSRSLYECISCGSSDMSCERGRHQLQCRSPPEEQCLDVVTH
WIQEGEEGRPKDDRHLRGCGYLPGCPGNGFHNNDTFHFLKCCNTTKCNEGPILELENLPQNGR
QCYSCKGNSTHGCSSEETFLIDCRGPMNQCLVATGTHEPKNQSYMVRGCATASMCQHAHLGDA
FSMNHIDVSCCTKSGCNHPDLVDVQYRSG

Host

Human

Theoretical MW (kDa)

34.36

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 EC₅₀ was 9.6 ng/mL, measured by ELISA at 1 ug/mL.

Quality Control Testing

SEC-HPLC and Tris-Bis PAGE

SEC-HPLC

The purity of Human uPAR is greater than 95% as determined by SEC-HPLC.

Tris-Bis PAGE

Human uPAR on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

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

Immobilized Human uPAR, His Tag at 1 ug/mL (100 uL/well) on the plate. Dose response curve for Biotinylated Human Human PLAUI, His Tag with the EC50 of 9.6 ng/mL determined by ELISA.

- Functional Study

- SDS-PAGE

Gene Info — TGFB3

Entrez GeneID[7043](#)**Protein Accession#**[Q03405-1](#)**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](#)