

Datasheet for ABIN7275713

**TGFB3 Protein (AA 301-412) (AVI tag,Biotin)**[Go to Product page](#)**2** Images

## Overview

Quantity:	100 µg
Target:	TGFB3
Protein Characteristics:	AA 301-412
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TGFB3 protein is labelled with AVI tag,Biotin.

## Product Details

Purpose:	Biotinylated Human Mature TGF beta 3 Protein
Sequence:	Ala301-Ser412
Characteristics:	Recombinant Biotinylated Human Mature TGF beta 3 Protein is expressed from HEK293 with Avi tag at the C-Terminus.It contains Ala301-Ser412.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human TGF-beta RII, mFc Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human Mature TGF beta 3, Avi Tag with the EC50 of 9.9ng/ml determined by ELISA. See testing image for detail.

## Target Details

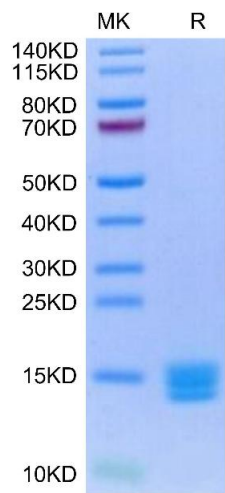
Target:	TGFB3
Alternative Name:	TGF beta 3 ( <a href="#">TGFB3 Products</a> )
Background:	Transforming growth factor-beta 3 is a cytokine which is involved in cell growth regulation and differentiation, stimulation of extracellular matrix and modulation of immune responses. TGF beta 3 RNA is expressed in a diverse array of tissues including perichondrium, bone, intervertebral discs, mesenteries, pleura, heart, lung, palate, and amnion, as well as in central nervous system (CNS) structures such as the meninges, choroid plexus and the olfactory bulbs. Furthermore, in several organ systems, TGF beta 3 transcripts are expressed during periods of active morphogenesis suggesting that the protein may be an important factor for the growth and differentiation of many embryonic tissues.
Molecular Weight:	14.53 kDa. Due to glycosylation, the protein migrates to 15-20 kDa based on Tris-Bis PAGE result.
Pathways:	<a href="#">Cell-Cell Junction Organization</a> , <a href="#">Production of Molecular Mediator of Immune Response</a> , <a href="#">Protein targeting to Nucleus</a>

## Application Details

Restrictions:	For Research Use only
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## Handling

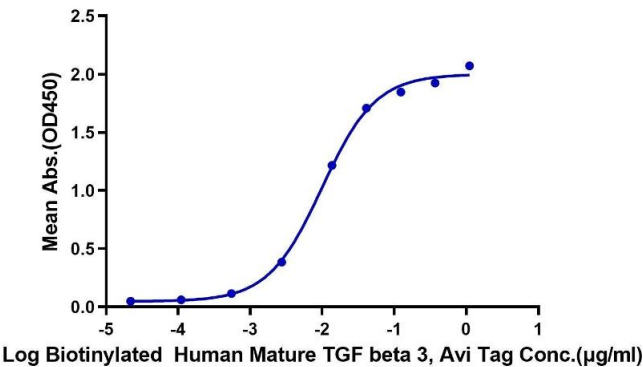
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in 4 mM HCl.
Buffer:	Lyophilized from 0.22µm filtered solution in 4 mM HCl. Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



SDS-PAGE

**Image 1.** Biotinylated Human Mature TGF beta 3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

**Biotinylated Human Mature TGF beta 3, Avi Tag ELISA**  
0.05µg Human TGF-beta RII, mFc Tag Per Well



ELISA

**Image 2.** Immobilized Human TGF-beta RII, mFc Tag at 0.5 µg/mL (100 µL/well) on the plate. Dose response curve for Biotinylated Human Mature TGF beta 3, Avi Tag with the EC50 of 9.9 ng/mL determined by ELISA.