

Datasheet for ABIN7319931  
**TGFB1 Protein (Biotin)**



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	TGFB1
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TGFB1 protein is labelled with Biotin.

Product Details

Purpose:	Recombinant Human Transforming Growth Factor Beta-1/TGFB1 Biotinylated
Sequence:	Ala279-Ser390
Characteristics:	Biotinylated Recombinant Human Transforming Growth Factor beta 1 is produced by our Mammalian expression system and the target gene encoding Ala279-Ser390 is expressed with a Avi tag at the N-terminus.
Purity:	>95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	TGFB1
Alternative Name:	TGFB1 ( <a href="#">TGFB1 Products</a> )
Background:	Background: Transforming Growth Factor β-1 (TGFβ-1) is a secreted protein which belongs to the TGF-β family. TGFβ-1 is abundantly expressed in bone, articular cartilage and chondrocytes

## Target Details

---

and is increased in osteoarthritis (OA). TGF $\beta$ -1 performs many cellular functions, including the control of cell growth, cell proliferation, cell differentiation and apoptosis. The precursor is cleaved into a latency-associated peptide (LAP) and a mature TGF $\beta$ -1 peptide. TGF $\beta$ -1 may also form heterodimers with other TGF $\beta$  family members. It has been found that TGF $\beta$ -1 is frequently upregulated in tumor cells. Mutations in this gene results in Camurati-Engelmann disease.

Synonym: Transforming Growth Factor Beta-1, TGF-Beta-1, Latency-Associated Peptide, LAP, TGFB1, TGFB

---

Molecular Weight: 14.6 kDa

---

UniProt: [P01137](#)

---

Pathways: [EGFR Signaling Pathway](#), [Dopaminergic Neurogenesis](#), [Cellular Response to Molecule of Bacterial Origin](#), [Glycosaminoglycan Metabolic Process](#), [Regulation of Leukocyte Mediated Immunity](#), [Regulation of Muscle Cell Differentiation](#), [Positive Regulation of Immune Effector Process](#), [Cell-Cell Junction Organization](#), [Production of Molecular Mediator of Immune Response](#), [Ribonucleoside Biosynthetic Process](#), [Skeletal Muscle Fiber Development](#), [Regulation of Carbohydrate Metabolic Process](#), [Protein targeting to Nucleus](#), [Autophagy](#), [Cancer Immune Checkpoints](#)

## Application Details

---

Comment: 13 kDa

---

Restrictions: For Research Use only

## Handling

---

Format: Lyophilized

---

Reconstitution: Please refer to the printed manual for detailed information.

---

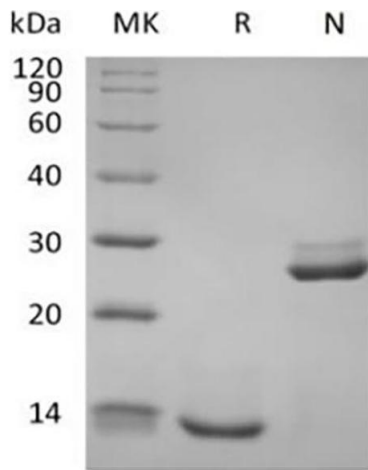
Buffer: Lyophilized from a 0.2  $\mu$ m filtered solution of 50 mM Glycine-HCl, 150 mM NaCl, pH 2.5.

---

Storage: 4 °C,-20 °C,-80 °C

---

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Etibocloner

### Western Blotting

Image 1.