

**TGF- $\beta$ 2**  
Catalog # PVGS1557**Specification**

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**TGF- $\beta$ 2 - Product Information**

Primary Accession [P61812](#)  
**Species**  
Human

**Sequence**  
Ala303-Ser414

**Purity**  
> 95% as analyzed by SDS-PAGE

**Endotoxin Level**  
< 1 EU/  $\mu$ g of protein by LAL method

**Biological Activity**  
ED<sub>50</sub> < 0.2 ng/ml, measured in a cell proliferation assay using mouse HT-2 cells.

**Expression System**  
Human Cells

Formulation **Lyophilized from a 0.2  $\mu$ m filtered solution in 4 mM HCl.**

**Reconstitution**  
It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH<sub>2</sub>O up to 100  $\mu$ g/ml.

**Storage & Stability**  
Upon receiving, this product remains stable for up to 6 months at -70°C or -20°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. Avoid repeated freeze-thaw cycles.

**TGF- $\beta$ 2 - Additional Information**

**Gene ID** 7042

**Other Names**  
Transforming growth factor beta-2 proprotein, Cetermin, Glioblastoma-derived T-cell suppressor factor, G-TSF, Latency-associated peptide, LAP, Transforming growth factor beta-2, TGF-beta-2, TGFB2

**Target Background**  
Transforming growth factor beta-2 (TGF- $\beta$ 2) is a secreted protein which belongs to the TGF-beta family. It is known as a cytokine that performs many cellular functions and has a vital role during embryonic development. The precursor is cleaved into mature TGF-beta-2 and LAP, which remains non-covalently linked to mature TGF-beta-2 rendering it inactive. It is an extracellular glycosylated

protein. It is known to suppress the effects of interleukin dependent T-cell tumors. Defects in TGFB2 may be a cause of non-syndromic aortic disease (NSAD).

## **TGF- $\beta$ 2 - Protein Information**

**Name** TGFB2

### **Function**

[Transforming growth factor beta-2 proprotein]: Precursor of the Latency-associated peptide (LAP) and Transforming growth factor beta-2 (TGF-beta-2) chains, which constitute the regulatory and active subunit of TGF-beta-2, respectively.

### **Cellular Location**

[Latency-associated peptide]: Secreted, extracellular space, extracellular matrix  
{ECO:0000250|UniProtKB:P01137}

## **TGF- $\beta$ 2 - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## **TGF- $\beta$ 2 - Images**