

## Datasheet for ABIN620932 **TGFB1 Protein**

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### Overview

|           |        |
|-----------|--------|
| Quantity: | 2.5 µg |
| Target:   | TGFB1  |
| Origin:   | Human  |
| Source:   | Human  |

### Product Details

|                  |                                                 |
|------------------|-------------------------------------------------|
| Characteristics: | Human Transforming Growth Factor-beta 1 (TGFB1) |
| Purity:          | > 97.0 %.                                       |

### Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | TGFB1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Alternative Name: | Transforming Growth Factor-beta 1 (TGFB1) ( <a href="#">TGFB1 Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Background:       | <p>Human Transforming Growth Factor-beta 1 purified from Human Platelets having a molecular mass of 25kDa. The TGF-b 1 is purified by proprietary chromatographic techniques.</p> <p>Introduction: Transforming growth factor betas (TGF Betas) mediate many cell-cell interactions that occur during embryonic development. Three TGF Betas have been identified in mammals. TGFBeta1, TGFBeta2 and TGFBeta3 are each synthesized as precursor proteins that are very similar in that each is cleaved to yield a 112 amino acid polypeptide that remains associated with the latent portion of the molecule. Synonyms: Transforming growth factor beta-1, TGF-beta-1, CED, DPD1, TGFB, TGF-b 1.</p> |
| Pathways:         | <a href="#">EGFR Signaling Pathway</a> , <a href="#">Dopaminergic Neurogenesis</a> , <a href="#">Cellular Response to Molecule of Bacterial Origin</a> , <a href="#">Glycosaminoglycan Metabolic Process</a> , <a href="#">Regulation of Leukocyte Mediated</a>                                                                                                                                                                                                                                                                                                                                                                                                                                      |

Target Details

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

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Each µg TGF-Beta1 protein contains 10µg Bovine Serum Albumin as a preservative. It is recommended to reconstitute 5µg lyophilized TGF-beta 1 in sterile 100µl 5mM HCl, which can then be further diluted to the desired aliquot to 1ml of PBS containing 2mg Bovine Serum Albumin.

Storage: -20 °C