

Datasheet for ABIN7607553

## TGFB1 Protein (AA 30-390) (His tag)



[Go to Product page](#)

### Overview

|                               |                                                                                     |
|-------------------------------|-------------------------------------------------------------------------------------|
| Quantity:                     | 50 µg                                                                               |
| Target:                       | TGFB1                                                                               |
| Protein Characteristics:      | AA 30-390                                                                           |
| Origin:                       | Human                                                                               |
| Source:                       | Mammalian Cells                                                                     |
| Protein Type:                 | Recombinant                                                                         |
| Biological Activity:          | Active                                                                              |
| Purification tag / Conjugate: | This TGFB1 protein is labelled with His tag.                                        |
| Application:                  | SDS-PAGE (SDS), Western Blotting (WB), Immunogen (Imm), ELISA, Activity Assay (AcA) |

### Product Details

|                              |                                                                                                                                                              |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:                     | Recombinant Human TGFB1/TGF-beta-1 Protein, N- 8*His (Active)                                                                                                |
| Purity:                      | >90 % as determined by SDS-PAGE.                                                                                                                             |
| Endotoxin Level:             | <0.1 EU/µg of the protein by the LAL method.                                                                                                                 |
| Biological Activity Comment: | Measured by its ability to inhibit the IL-4-dependent proliferation of mouse T cells (HT-2). The ED50 for this effect is 10-70 ng/mL before acid activation. |

### Target Details

|                   |                                          |
|-------------------|------------------------------------------|
| Target:           | TGFB1                                    |
| Alternative Name: | TGFB1 ( <a href="#">TGFB1 Products</a> ) |

## Target Details

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Background: | Transforming growth factor beta-1 proprotein, LAP, TGF-beta-1, TGFB1, TGFB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| UniProt:    | <a href="#">P01137</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 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 Immunity</a> , <a href="#">Regulation of Muscle Cell Differentiation</a> , <a href="#">Positive Regulation of Immune Effector Process</a> , <a href="#">Cell-Cell Junction Organization</a> , <a href="#">Production of Molecular Mediator of Immune Response</a> , <a href="#">Ribonucleoside Biosynthetic Process</a> , <a href="#">Skeletal Muscle Fiber Development</a> , <a href="#">Regulation of Carbohydrate Metabolic Process</a> , <a href="#">Protein targeting to Nucleus</a> , <a href="#">Autophagy</a> , <a href="#">Cancer Immune Checkpoints</a> |

## Application Details

|                    |                                                                    |
|--------------------|--------------------------------------------------------------------|
| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Restrictions:      | For Research Use only                                              |

## Handling

|                  |                                                                                                                                                                       |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Format:          | Lyophilized                                                                                                                                                           |
| Buffer:          | Lyophilized from a solution in PBS pH 7.4, 5 % Trehalose, 5 % Mannitol.                                                                                               |
| Storage:         | 4 °C,-20 °C,-80 °C                                                                                                                                                    |
| Storage Comment: | Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8°C for one week. Store at -20 to -80°C for twelve months from the date of receipt. |
| Expiry Date:     | 12 months                                                                                                                                                             |