

Recombinant Human TGFβ1 Protein

Catalog Number: PDEH100747

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

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| Species | Human |
| Source | E.coli-derived Human TGFβ1 protein Ala279-Ser390, with an N-terminal GST |
| Calculated MW | 36.8 kDa |
| Observed MW | 40 kDa |
| Accession | P01137 |
| Bio-activity | Not validated for activity |

Properties

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|-----------------------|--|
| Purity | > 85% as determined by reducing SDS-PAGE. |
| Endotoxin | < 10 EU/mg of the protein as determined by the LAL method |
| Storage | 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. |
| Shipping | This product is provided as lyophilized powder which is shipped with ice packs. |
| Formulation | Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol. |
| Reconstitution | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis. |

Background

Transforming growth factor beta-1 proprotein: Precursor of the Latency-associated peptide (LAP) and Transforming growth factor beta-1 (TGF-beta-1) chains, which constitute the regulatory and active subunit of TGF-beta-1, respectively