

Datasheet for ABIN7505001
TGFB1 Protein (AA 279-390)



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Overview

Quantity:	100 µg
Target:	TGFB1
Protein Characteristics:	AA 279-390
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Sequence:	Ala279-Ser390
Characteristics:	A DNA sequence encoding the Human TGFβ1 Protein (P01137-1)(97-448) was expressed with a polyhistidine tag at the N-terminus.
Purity:	> 85 % as determined by reducing SDS-PAGE.

Target Details

Target:	TGFB1
Alternative Name:	TGFbeta1 (TGFB1 Products)
Background:	Abbreviation: TGFβ1 Target Synonym: Transforming growth factor beta-1 proprotein, Latency-associated peptide, LAP, TGF-beta-1, TGFB 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

Target Details

constitute the regulatory and active subunit of TGF-beta-1, respectively.

Molecular Weight: Calculated MW: 36.8 kDa
Observed MW: 40 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

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4., 5 % trehalose, 5 % mannitol, 0.01 % tween-80.
Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.

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.

Expiry Date: 12 months