

Datasheet for ABIN5710482

TGFB1 Protein (AA 279-390, partial) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	TGFB1
Protein Characteristics:	AA 279-390, partial
Origin:	Cow
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This TGFB1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	ALDTNYCFSS TEKNCCVRQL YIDFRKDLGW KWIHEPKGYH ANFCLGPCPY IWSLDTQYSK VLALYNQHNP GASAAPCCVP QALEPLPIVY YVGRKPKVEQ LSNMIVRSCK CS
Purification:	SDS-PAGE
Purity:	> 90 %

Target Details

Target:	TGFB1
Alternative Name:	TGFB1 (TGFB1 Products)
Background:	Multifunctional protein that controls proliferation, differentiation and other functions in many cell types. Many cells synthesize TGFB1 and have specific receptors for it. It positively and negatively regulates many other growth factors. It plays an important role in bone modeling as it

Target Details

is a potent stimulator of osteoblastic bone formation, causing chotaxis, proliferation and differentiation in committed osteoblasts. Can promote either T-helper 17 cells (Th17) or regulatory T-cells (Treg) lineage differentiation in a concentration-dependent manner. At high concentrations, leads to FOXP3-mediated suppression of RORC and down-regulation of IL-17 expression, favoring Treg cell development. At low concentrations in concert with IL-6 and IL-21, leads to expression of the IL-17 and IL-23 receptors, favoring differentiation to Th17 cells.

Molecular Weight:	16.9 kDa
UniProt:	P18341
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

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

Handling

Format:	Liquid
Concentration:	0.1-2 mg/mL
Buffer:	20 mM Tris-HCl based buffer, pH 8.0
Storage:	-80 °C,4 °C,-20 °C
Storage Comment:	Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.



SDS-PAGE

Image 1.