

Human TGF-Beta 1 / TGFB1, Tag Free Protein

HA211635



Product name:	Human TGF-Beta 1 / TGFB1, Tag Free
Species reactivity:	Human
Bio-Activity:	Testing in progress.
Protein construction description:	A DNA sequence encoding the human TGF-Beta 1 / TGFB1 protein (P01137) (Ala 279-Ser 390) was expressed with tag free.

Background:	Transforming growth factor beta 1 or TGF- β 1 is a polypeptide member of the transforming growth factor beta superfamily of cytokines. It is a secreted protein that performs many cellular functions, including the control of cell growth, cell proliferation, cell differentiation, and apoptosis. In humans, TGF- β 1 is encoded by the TGFB1 gene. TGF- β is a multifunctional set of peptides that controls proliferation, differentiation, and other functions in many cell types. TGF- β acts synergistically with transforming growth factor-alpha (TGF- α) in inducing transformation. It also acts as a negative autocrine growth factor. Dysregulation of TGF- β activation and signaling may result in apoptosis. Many cells synthesize TGF- β and almost all of them have specific receptors for this peptide. TGF- β 1, TGF- β 2, and TGF- β 3 all function through the same receptor signaling systems. TGF- β 1 was first identified in human platelets as a protein with a molecular mass of 25 kilodaltons with a potential role in wound healing. It was later characterized as a large protein precursor (containing 390 amino acids) that was proteolytically processed to produce a mature peptide of 112 amino acids. TGF- β 1 plays an important role in controlling the immune system, and shows different activities on different types of cell, or cells at different developmental stages. Most immune cells (or leukocytes) secrete TGF- β 1.
--------------------	---

Purity:	>95% as determined by SDS-PAGE.
Endotoxin:	Less than 1.0 EU per μ g by the LAL method.
Fragment region:	TGF-Beta 1 / TGFB1 (279-390)
Source:	HEK293
Accession:	P01137
Predicted molecular mass:	12.8 kD
Formulation:	100mM HAC, pH 2.9, 5% trehalose, 5% mannitol
Reconstitution:	Reconstitute at 250 μ g/ml in 4mM HCL buffer.
Storage:	Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20 $^{\circ}$ C to -80 $^{\circ}$ C. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders: 0086-571-88062880

Technical: 0086-571-89986345

Service mail: support@huabio.cn

 华安生物
HUABIO
www.huabio.cn

Applications: WB=Western blot IHC-P=Immunohistochemistry (paraffin) IF-Cell=Immunofluorescence (Cell) IF-Tissue=Immunofluorescence (Tissue) FC=Flow cytometry IP=Immunoprecipitation

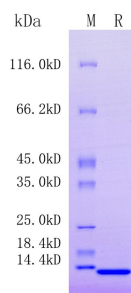


Fig1: Protein on SDS-PAGE under reducing (R) condition.

Note: All products are “FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE”.