

Active GMP Recombinant Porcine TGFB1 Protein, His-Tagged

Cat. No. TGFB1-01P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GMP Recombinant Porcine TGFB1 Protein, His-Tagged was expressed in Escherichia coli cell-derived in an animal component free process under cGMP guidelines.
Species	Porcine
Source	E.coli
Description	Transforming growth factor beta 1 or TGF-β1 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-β1 is encoded by the TGFB1 gene.
Form	Lyophilized
Bio-activity	Measure by its ability to inhibit IL-4-induce proliferation in HT-2 cells. The ED50 for this effect is <0.1 ng/mL.
AA Sequence	MALDTNYCFSSTEKNCCVRQLYIDFRKDLGWKWIHEPKGYHANFCLGPCPYIWSLD TQYSKVLALYNQHNP GASAAPCCVPQALEPLPIVYYVGRKPKVEQLSNMIVRSCKCS with polyhistidine tag at the C-terminus
Endotoxin	<0.1 EU per 1 µg of the protein by the LAL method.

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Purity	>98% as determined by SDS-PAGE. Ni-NTA chromatography
Notes	Please use within one month after protein reconstitution.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Storage Buffer	The protein was lyophilized from a solution containing 20 mM sodium citrate, 0.2 M NaCl, pH 4.5.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

GENE INFORMATION

Gene Name	TGFB1 transforming growth factor beta 1 [<i>Sus scrofa</i> (pig)]
Official Symbol	TGFB1
Synonyms	TGF-BETA-1
Gene ID	397078
mRNA Refseq	NM_214015.2
Protein Refseq	NP_999180.2
UniProt ID	P07200

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