

RMCS015

Recombinant TGF beta 1 (Transforming growth factor beta 1), Swine ,AF



5ug;20ug;

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Synonym/Alternative name(s) : TGF-BETA-1, TGFB1

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.

Protein Description:

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.

Protein Accession : P07200.2

Gene ID : 397078

Expression Sequence:

MALDNTNYCFSSTEKNCCVRQLYIDFRKDLGWKWIHEPKGYHANFCLGPCPYIWSLDTQYSKVLALYNQHNPGASAAPCCVPQALEPLPI VYYVGRKPKVEQLSNMIVRSCKCS with polyhistidine tag at the C-terminus.

Fusion tag : His-tag?at?the?C-terminus

Species : Swine

Reactivity : Pig

Expression Host : Escherichia coli

Source : E. coli

Purity/method:

>98% as determined by SDS-PAGE. Ni-NTA chromatography

Endotoxin level:

<0.1 EU per 1 μ g of the protein by the LAL method.

Calculated Molecular Weight : 13.7 kDa

Formulation:

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 H₂O to a concentration not less than 100 μ g/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved. In some experiments, it recommends to add 10 mM HCl when reconstitute lyophilized protein.

Shipping : Blue Ice

Stability and Storage:

Lyophilized protein should be stored at -20°C for 1 year.

Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1%

BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months.

Category : Cytokines

Application : Cell culture, Elisa

Image:

kDa

75-

63-

48-

35-

25-

17-



SDS- PAGE analysis of recombinant swine TGF beta 1