

RMCH168

Recombinant TGF beta 3 (Transforming growth factor beta 3), Human ,AF



5ug;20ug;100ug;500ug;

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Synonym/Alternative name(s):

ARVD, ARVD1, LDS5, RNHF, TGFB3, TGF-B3

Activity:

Measure by its ability to inhibit IL-4-induce proliferation in HT-2 cells.

The ED50 for this effect is <50 pg/mL.

The specific activity of recombinant human TGF beta 3 is > 2 x 10⁷ IU/mg.

Protein Description:

Transforming growth factor-beta 3 (TGF-β3), also named TGFB3, is a member of the TGF beta family of growth factors together with TGF-β1 and -2. TGFB3 is produced as a complex with LAP. This latent form of TGFB3 can be stimulated upon cleavage by plasmin, matrix metalloproteases, thrombospondin -1, and a subset of integrins. It binds with high affinity to TGF- β RII, a type II serine/threonine kinase receptor. TGFB3 take part in the process such as cell differentiation, embryogenesis and development. In addition, it is found to regulate molecular elements involved in cellular adhesion and extracellular matrix (ECM) formation during the process of palate development.

Protein Accession : P10600.1

Gene ID : 7043

Expression Sequence:

MALDTNYCFRNLEENCCVRPLYIDFRQDLGWKVVHEPKGYANFCSGPCPYLRSADTTHSTVLGLYNTLNPEASASPCCVPQDLEPLTI
LYYVGRTPKVEQLSNMVKCKCS with polyhistidine tag at the C-terminus.

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

Species : Human

Reactivity : Human

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 μg of the protein by the LAL method.

Calculated Molecular Weight : 13.66 kDa

Formulation:

The protein was lyophilized from a solution containing 0.2 M NaCl, 20 mM sodium citrate, pH 3.5.

Reconstitution:

It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 100 μg/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.

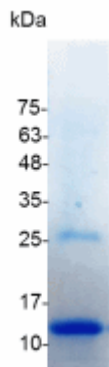
Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1%

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:



SDS- PAGE analysis of recombinant human TGF beta 3