

32-7156: Recombinant Human Transforming Growth Factor α /TGF α (Discontinued)

Gene : TGFA
Gene ID : 7039
Uniprot ID : P01135

Description

Source: E.coli.
MW :5.55kD.

Recombinant Human Transforming Growth Factor alpha is produced by our E.coli expression system and the target gene encoding Val41-Val90 is expressed. Transforming Growth Factor α (TGF- α) belongs to the EGF family of cytokines. It is a mitogenic polypeptide and secreted protein, which is expressed by monocytes, keratinocytes, and various tumor cells. TGF α contains two chains, protransforming growth factor α and transforming growth factor α . It can bind to the EGF receptor that synergistically with TGF beta to stimulate anchorage-independent cell proliferation and produce a mitogenic response. TGF α interacts with the PDZ domains of MAGI3, SDCBP and SNTA1. The interaction with SDCBP is required for the targeting to the cell surface.

Product Info

Amount : 10 μ g / 50 μ g
Content : Lyophilized from a 0.2 μ m filtered solution of 10mM Acetic Acid .
Storage condition : Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid : VSHFNDCPDSHTQFCFHGTCRFLVQEDKPACVCHSGYVGARCEHADLLAV

Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μ g/ml. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Endotoxin : Less than 0.1 ng/ μ g (1 IEU/ μ g) as determined by LAL test.