

## Recombinant Human TGF alpha protein(His Tag)

**Catalog Number: PKSH034146**

**Note:** *Centrifuge before opening to ensure complete recovery of vial contents.*

### Description

<b>Species</b>	Human
<b>Source</b>	E.coli-derived Human TGF alpha protein Val 40-Ala 89 , with an C-terminal His
<b>Calculated MW</b>	6.5 kDa
<b>Observed MW</b>	7 kDa
<b>Accession</b>	P01135
<b>Bio-activity</b>	Measure by its ability to induce 3T3 cells proliferation.The ED <sub>50</sub> for this effect is <0.2 ng/mL.The specific activity of recombinant human TGF alpha is > 5 x 10 <sup>6</sup> IU/mg.

### Properties

<b>Purity</b>	> 98 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 0.1 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from sterile PBS,pH 8.0. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

### Background

TGF alpha is a mitogenic polypeptide that is able to bind to the EGF receptor/EGFR and to act synergistically with TGF beta to promote anchorage-independent cell proliferation in soft agar.

### For Research Use Only