

Recombinant Human TGF alpha (Transforming growth factor alpha)

编号:	PY2269	规格:	20 µg 100 µg 500 µg 1 mg
类别:	重组蛋白	应用:	Functional Assay

产品简介

描述: Transforming growth factor alpha (TGF-α) is a protein that in humans is encoded by the TGFA gene. TGF-α is a member of the EGF family of cytokines that are synthesized as transmembrane precursors and are characterized by the presence of one or several EGF structural units in their extracellular domain. Expression of TGF-α is widespread in tumors and transformed cells. TGF-α is also expressed in normal tissues during embryogenesis and in adult tissues, including pituitary, brain, keratinocytes, and macrophages.

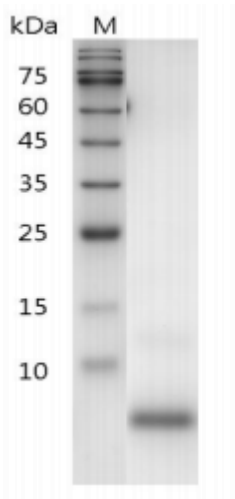
来源: *Escherichia coli*

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

生物学活性: Measure by its ability to induce 3T3 cells proliferation. The ED₅₀ for this effect is < 0.2 ng/mL. The specific activity of recombinant human TGF alpha is > 5 x10⁶ IU/mg.

内毒素检测: <0.1 EU per 1 µg of the protein by the LAL method.

蛋白序列: MVVSHFNDPCDSHTQFCFHGTCRFLVQEDKPACVCHSGYVGARCEHADLLA with polyhistidine tag at the C-terminus



SDS- PAGE analysis of recombinant human TGF alpha

产品组成

成分: 从含有 1X PBS, pH 8.0 溶液中冻干的蛋白质.

产品储存运输

产品形式	储存温度	储存时间
冻干粉	-20℃至-80℃	自收到之日起1年
重悬液（初始）	2℃至8℃	不超过1周
重悬液（经稀释）	-20℃至-80℃	3到6个月

运输方式：蓝冰

产品使用

- 1、开盖前，建议3000-3500rpm离心5min。
- 2、推荐使用无菌水重悬冻干粉，溶液浓度不低于100μg/mL，不高于1mg/mL，并室温静置至少20min以充分溶解。勿涡旋剧烈振荡。
- 3、重悬后的溶液，2-8℃无菌保存不超过1周。
- 4、如需长期保存，推荐使用无菌的含载体蛋白（如0.1%BSA、10% FBS 或5% HSA ）的溶液进一步稀释（不低于10ug/mL）后分装保存，-20℃至 -80℃无菌保存3到6个月。无血清实验需求时，可更换为 5%海藻糖溶液作为载体。避免反复冻融。

WB= Western Blot; IP= Immunoprecipitation; IF= Immunofluorescence; IHC= Immunohistochemistry;
FACS= Fluorescence activated Cell Sorting; FA= Functional Assay