

TGFβ 1/TGFB1, Human, Recombinant

Cat. No. : GPCK354

产品信息

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| 物种 | Human |
| 表达宿主 | E.coli |
| 序列信息 | MALDTNYCFSSTEKNCCVRQLYIDFRKDLGWKWIHEPKGYHANFCLGPCPYIWSLDTQYSKV LALYNQHNP GASAAPCCVPQALEPLPIVYYVGRKPKVEQLSNMIVRSCKCS with polyhistidine tag at the C-terminus. |
| 检索号 | P01137.2 |
| 标签 | His-tag at the C-terminus |
| 分子量 | 13.7 kDa |
| 有效期 | 12 months |
| 生物活性 | Measure by its ability to inhibit the IL-4 dependent proliferation in HT-2 cells. The ED50 for this effect is < 0.1 ng/mL. The specific activity of recombinant human TGF beta 1 is approximately > 5 × 10 ⁷ IU/mg. Measure by its ability to induce proliferation in MCF-7 cells. The ED50 for this effect is < 3.2 ng/mL. |

产品特性

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| 内毒素 (EU/μg) | < 0.1 |
| 保存 | Lyophilized protein should be stored at -5~-20°C for 1 year. Upon reconstitution, store at 2-8°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 -5~-20°C or -80°C for 3-6 months. |
| 运输 | Ambient temperature or ice pack. |
| 制剂 | The protein was lyophilized from a 0.2 μm filtered solution containing 1 × PBS, pH 8.0. |
| 复溶 | It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 μg/mL. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein. In some experiments, it recommends to add 10 mM HCl when reconstitute lyophilized protein. |

背景介绍

Transforming growth factor beta 1 or TGF-β1 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-β1 is encoded by the TGFB1 gene.

