



Certificate of Analysis

Animal-Free TGF alpha/TGFA Protein, Human (His)

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|-------------------|------------------------|
| Cat. No.: | HY-P700149AF |
| Batch No.: | 260853 |
| Species: | Human |
| Source: | <i>E. coli</i> |
| Tag: | C-His |
| Accession: | P01135 (V40-A89) |
| Gene ID: | 7039 |
| Molecular Weight: | Approximately 6.49 kDa |

ANALYTICAL DATA

| TEST | Specifications | Results |
|---------------------|--|---------|
| Purity | Greater than 95% as determined by reducing SDS-PAGE. | ≥95.0% |
| Endotoxin Level | <0.1 EU per 1 µg of the protein by the LAL method. | PASS |
| Biological Activity | Measure by its ability to induce 3T3 cells proliferation. The ED ₅₀ for this effect is <0.2 ng/mL. The specific activity of recombinant human TGF alpha is > 5 x 10 ⁶ IU/mg. | PASS |
| Appearance | Lyophilized powder | |
| Reconstitution | It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. | |
| Storage & Stability | Stored at -20°C. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer. It is recommended to freeze aliquots at -20°C or -80°C for extended storage. | |
| Shipping | Room temperature in continental US; may vary elsewhere. | |

Caution: Product has not been fully validated for medical applications. For research use only.

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