



PACIFIC COAST
BIOLOGICS

Certificate of Analysis

Animal Free Recombinant Human Activin A

Catalog #: HACTA
Lot #: 240825
Expiration: February 2028

Amino Acid Sequence:

GLECDGKVNII CCKKQFFVSF KDIGWNDWII APSGYHANYC EGECPSHIAG TSGSSLSFHS TVINHRYMRG HSPFANLKSC CVPTKLRPMS MLYYDDGQNI IKKDIQNMIV EECGCS

Product Specifications

- Purity >98% by SDS-PAGE gel and HPLC
- Endotoxin <0.1 EU/μg by the LAL method.
- Molecular Weight 26.0 kDa, as determined by MALDI-TOF mass spectrometry.
- Source: E.coli

Manufacturing

Produced using non animal derived components in a dedicated animal-free facility.

Formulation

- Sterile-filtered and lyophilized without any additives.

Biological Activity

Measured by its ability to inhibit the proliferation of mouse MPC-11 cells. The expected ED₅₀ is ≤ 7.8 ng/mL, corresponding to a specific activity of ≥ 1 × 10⁵ units/mg.

Storage and Handling

Reconstitution

Centrifuge the vial briefly before opening. Reconstitute with RO/DI water to a final concentration of 0.1–1 mg/mL (0.1–1 μg/μL). Do not vortex after reconstitution. Avoid repeated freeze–thaw cycles. The lyophilized powder is stable at room temperature, but it is best stored below 0°C. Reconstituted human Activin A should be stored at –20°C.

Storage (Lyophilized Powder)

- 4°C: Stable for up to 12 months
- –20°C to –80°C: Recommended for long-term storage

Usage: For Research Use Only. Not for human use.

Country of Origin, USA

Director of QA/QC

Ramon Rochin

www.pacificcoastbio.com