

Certificate of Analysis

Description: Recombinant Epidermal Growth Factor (EGF) (Human)

Preparation Date: 12-24-2012

Expiry Date: 12-23-2014

Size: 1000 µg/vial

Cat #: HEGFP-05013

Lot #: D10504121

Test Parameters	Specification	Result
Purity ¹	Sample must exhibit >98% purity	98.24%
Biological Activity ²	The ED ₅₀ must be less than 0.1 ng/ml, corresponding to a specific activity of >1.0 x 10 ⁷ IU/mg	1.67 x 10 ⁷ IU/mg
Molecular Weight ³	Sample must have a molecular weight of 6.2± 0.6 kDa	Pass
Endotoxin ⁴	Results must show ≤ 1.0 EU/µg	≤ 0.05 EU/µg
Physical Appearance	Sample must have a white, lyophilized powder appearance	Pass
pH	Protein is lyophilized from a sterile, concentrated solution containing PBS, pH 7.4± 0.5	7.39

1. The sample is assayed for purity by SDS-PAGE and HPLC analyses.
2. The ED₅₀ is determined by a cell proliferation assay using murine Balb/c 3T3 cells.
3. The sample is tested for molecular weight using SDS-PAGE.
4. The sample is tested for endotoxin contamination with LAL test.

Jane Chen

Jane Chen
QA Manager
Jan 15, 2013