

Certificate of Analysis

Description: Recombinant Human Neurotrophin-4

Expiry Date: 10-23-2015

Size: 2.0 µg/vial

Cat #: HEOPP-14051

Lot #: Y10704111

Test Parameters	Specification	Result
Purity ¹	Sample must exhibit >97% purity.	98.74%
Biological Activity ²	The ED ₅₀ must be less than 50 ng/mL, corresponding to a specific activity of >2.0 x 10 ⁴ IU/mg.	2.96 x 10 ⁴ IU/mg
Molecular Weight ³	Sample must have a molecular weight of 28.1 ± 2.8 kDa.	Pass
Endotoxin ⁴	Results must show ≤ 1.0 EU/µg.	≤ 0.01 EU/µg
Physical Appearance	Sample must have a white, lyophilized powder appearance.	Pass

Notes:

1. The sample is assayed for purity by SDS-PAGE and HPLC analyses.
2. The ED₅₀ is determined by a cell proliferation assay using rat basal forebrain primary septal cell.
3. The sample is tested for molecular weight using SDS-PAGE.
4. The sample is tested for endotoxin contamination with LAL test.



Jane Chen
QA Manager
Oct 24, 2013