

Certificate of Analysis

Description: Recombinant Fms-related Tyrosine Kinase 3 Ligand (Human)

Expiry Date: 02-24-2016

Cat #: HEOPP-06012

Lot #: Z10305031

Size: 10 µg/vial

Test Parameters	Specification	Result
Purity ¹	Sample must exhibit >97% purity.	97.47%
Biological Activity ²	The ED ₅₀ must be less than 1.0 ng/mL, corresponding to a specific activity of >1.0 x 10 ⁶ IU/mg.	2.23 x 10 ⁶ IU/mg
Molecular Weight ³	Sample must have a molecular weight of 17.6± 1.8 kDa.	Pass
Endotoxin ⁴	Results must show ≤ 1.0 EU/µg.	≤ 0.02 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 human AML5 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
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