

Certificate of Analysis

Description: Recombinant Bone Morphogenetic Protein-4(Human)

Expiry Date: 12-18-2015

Cat #: HEOPP-02091

Lot #: D10804011

Size: 2.0 µg/vial

Test Parameters	Specification	Result
Purity ¹	Sample must exhibit >95% purity.	95.17%
Molecular Weight ²	Sample must have a molecular weight of 13.3± 1.3 kDa.	Pass
Endotoxin ³	Results must show ≤ 1.0 EU/µg.	≤ 0.5 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 sample is tested for molecular weight using SDS-PAGE.
3. The sample is tested for endotoxin contamination with LAL test.



Jane Chen
QA Manager
Dec 19, 2013