CERTIFICATE OF ANALYSIS

PRODUCT: Recombinant Human Interleukin-16(130 a.a.) FOR RESEARCH

BATCH NO.: Lot specific MANUFACTURING DATE: Lot specific

SIZE: All pack sizes RETEST DATE: Lot specific

TEST BASIS: ENTERPRISE STANDARD

CATALOG #: 1110-16B

Item	**Standard**	**Result**
Characteristics	White Freeze-dried Powder	Conformed
SDS-PAGE Electrophoresis Purity	>95%	Conformed
HPLC Purity	>95%	95.77%
Specific Activity (chemotaxis bioassay)	1-100 ng/ml ($CD4^+$ T Lymphocytes)	47.35 ng/ml
Molecular Weight	13.4±1.3 KDa	Conformed
Bacterial Endotoxins	<1.0EU/μg rHuIL16 (130a.a.)	<0.05 EU/μg
The product is tested according to the enterprise standard. The result is QUALIFIED.		

* Gold Biotechnology, Inc. provides this Certificate of Analysis in good faith and to the best of its knowledge. It should not be substituted for the user's own raw material quality control. This material is for laboratory use only.

Gold Biotechnology, Inc.
1328 Ashby Rd.
St. Louis, MO 63132
P: (314)890-8778
F: (314)890-0503
E: contactgoldbio86@goldbio.com

Report date: 8/7/2013