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SUPPORTING INFECTIOUS DISEASE RESEARCH

Certificate of Analysis for NR-36039

Guinea Pig Expression Clone IL-8, Recombinant in *Escherichia coli*

Catalog No. NR-36039

Product Description: NR-36039 is an expression clone containing the mature peptide region of interleukin-8, IL-8, (GenBank: NM_001173399) from *Cavia porcellus* (guinea pig). The complete IL-8 gene was cloned into vector pQE-30 via *Bam*HI and *Hind*III insertion sites and transformed into *Escherichia coli* (*E. coli*), strain M15, competent cells. The pQE-30 vector contains a T5 promoter, has ampicillin and kanamycin resistance, an N-terminal His-tag for purification, a thrombin cleavage site between the His-tag and the protein, and the *lacI* gene which is used for enhanced protein expression via IPTG induction.

Lot[1]: 61161558 **Manufacturing Date: 15AUG2012**

TEST	SPECIFICATIONS	RESULTS
Purity (post-freeze)[2]	Report results	Single colony type consistent with *E. coli*
Plasmid Analysis Sequencing of insert (~ 230 base pairs)	≥ 99% identical to GenBank: NM_001173399 (*Cavia porcellus*, IL-8 gene)	≥ 99% identical to GenBank: NM_001173399 (*Cavia porcellus*, IL-8 gene)
Viability (post-freeze)[2]	Growth	Growth

[1]24 hours at 37°C and aerobic atmosphere in Luria Bertani (LB) broth containing 100 µg/mL ampicillin with shaking
[2]24 hours at 37°C and aerobic atmosphere on LB agar containing 100 µg/mL ampicillin

Date: 19 SEP 2012 **Signature:** 

Title: Technical Manager, BEI Authentication or designee

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

Support Provided by NIAID

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