

Title (en)

GENE AND PROTEIN SEQUENCES OF PHAGE T4 GENE 35

Title (de)

GEN UND PROTEINSEQUENZEN DES T4 PHAGEN GEN 35

Title (fr)

GENE ET SEQUENCES DE PROTEINES DU GENE 35 DE PHAGE T4

Publication

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Application

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Priority

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Abstract (en)

[origin: WO0077196A1] The present invention relates to nucleotide sequences of gp35 genes and amino acid sequences of their encoded proteins, as well as derivatives and analogs thereof, and antibodies thereto. The present invention further relates to the use of nucleotide sequences of bacteriophage T4 gene 35 and amino acid sequences of its encoded protein, as well as derivatives, variants, and analogs thereof in the construction of nanostructures.

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Citation (search report)

- [X] SHINOMIYA T ET AL: "Morphogenesis of the tail fiber of bacteriophage T4. 3. Isolation of the gene 35-product and the genes 36, 37 and 38 product.", MOLECULAR & GENERAL GENETICS: MGG. GERMANY, WEST 1971, vol. 111, no. 4, 1971, pages 368 - 372, XP001106736, ISSN: 0026-8925
- [A] KUTTER ELIZABETH ET AL: "Genomic map of bacteriophage T4.", MOLECULAR BIOLOGY OF BACTERIOPHAGE T4., 1994, American Society for Microbiology (ASM) Books Division, 1325 Massachusetts Ave. NW, Washington, DC 20005-4171, USA, pages 491 - 519, XP001080527, ISBN: 1-55581-064-0
- See references of WO 0077196A1

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