

The nucleotide sequence of the *Salmonella typhi* ompC porin gene

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SEQUENCE ORIGIN: Two clones were isolated by immunoscreening (1) from a S. typhi Ty2 gene library made in pHC79/UCS257. A BglII fragment subcloned in pUC19 was sequenced by the dideoxy method. The gene codes for an ORF of 377 amino acids (M.W. = 41202).

ACCACGATACACAGTGGCATATGAAAGCCATATAGGCATATACACAGAGGTTATATAC

10 20 30 40 50 60 70 80 90
nTGAAGTTAAAGTACAGTCCCTCCTGATACCACTGCTGCTGATGACGCGCCACACAGTCCGCTGAAATTTATATATAGAACGCAAC
100 110 120 130 140 150 160 170 180
AAATTAACACTGTTTGTAAATTTATGACCTCAGCTACTTCTCTACACACAAAGGACACGACGACGACACCACTACATGCGATCGC
190 200 210 220 230 240 250 260 270
TTCANAGCCAAACGACAGGTTAACGATCAGCTACCGGTTATGCGCACTGGAATATCAAGATTCAGGACACACACGCTGAAAGCAGCAAC
280 290 300 310 320 330 340 350 360
GACTCTGACACGATGTCGCTTTCGCTGCTGATTCCTGCTGACGACGATTCCTTCGATATATGCTGATACCTACGCGATACCTATGAC
370 380 390 400 410 420 430 440 450
GTACCTCTGACACGATTCGCTTTCGCGGATTCGCGCGACACCTACGCGCTGACGATTCCTTATGCGACGCGATGACGCGATATGCT
460 470 480 490 500 510 520 530 540
ACCTACCTACACACGCTTCTTCGATGCTGATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT
550 560 570 580 590 600 610 620 630
AACACACGCTGACGACGCT
640 650 660 670 680 690 700 710 720
GCGCTATACACGCTTACGCT
730 740 750 760 770 780 790 800 810
ACCAGCGCTGATATACGCT
820 830 840 850 860 870 880 890 900
GCGACACGCT
910 920 930 940 950 960 970 980 990
CGCT
1000 1010 1020 1030 1040 1050 1060 1070 1080
GATGCGCGCGCT
1090 1100 1110 1120 1130 1140 1150 1160 1170
GATGCGCTGACACCGCGCT
1180 1190 1200 1210 1220 1230 1240 1250
TTTTCATGCTTATTCGCGCT

FEATURES: The S. typhi ompC coding region and the corresponding protein sequence were 74% and 77% homologous to the E. coli respective sequences (2). The S. typhi OmpC protein is expressed in the outer membrane of E. coli DH5α and other strains.

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