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Nucleotide ▾

GenBank

E. coli dut gene for dUTPase (EC 3.6.1.23) (deoxyuridine 5'-triphosphate nucleotidohydrolase)

GenBank: X01714.1

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LOCUS	X01714	1609 bp	DNA	linear	BCT 23-OCT-2008
DEFINITION	E. coli dut gene for dUTPase (EC 3.6.1.23) (deoxyuridine 5'-triphosphate nucleotidohydrolase).				
ACCESSION	X01714				
VERSION	X01714.1				
KEYWORDS	dUTPase; unidentified reading frame.				
SOURCE	Escherichia coli				
ORGANISM	Escherichia coli Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacterales; Enterobacteriaceae; Escherichia.				
REFERENCE	1 (bases 1 to 1609)				
AUTHORS	Lundberg, L. G., Thoresson, H. O., Karlstrom, O. H. and Nyman, P. O.				
TITLE	Nucleotide sequence of the structural gene for dUTPase of Escherichia coli K-12				
JOURNAL	EMBO J. 2 (6), 967-971 (1983)				
PUBMED	6139280				
COMMENT	Data kindly reviewed (25-NOV-1985) by L. Lundberg.				
FEATURES	Location/Qualifiers				
source	1..1609 /organism="Escherichia coli" /mol_type="genomic DNA" /db_xref="taxon:562"				
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regulatory	310..316 /regulatory_class="promoter" /note="-10 region"				
misc feature	322..324 /note="put. transcription start region"				
regulatory	330..333 /regulatory_class="ribosome_binding_site" /note="put. rRNA binding site"				
CDS	343..798 /note="unnamed protein product; dUTP-ase (aa 1-151)" /codon_start=1 /transl_table=11 /protein_id="CAA25859.1" /db_xref="GOA:P06968" /db_xref="InterPro:IPR008180" /db_xref="InterPro:IPR008181" /db_xref="PDB:1DUD" /db_xref="PDB:1DUP" /db_xref="PDB:1EU5" /db_xref="PDB:1EUW" /db_xref="PDB:1RN8" /db_xref="PDB:1RNI" /db_xref="PDB:1SEH" /db_xref="PDB:1SYL" /db_xref="PDB:2HR6" /db_xref="PDB:2HRM" /db_xref="UniProtKB/Swiss-Prot:P06968" /translation="MKKIDVKILDPRVGKEFPLPTYATSGSAGLDLRACLNDAVELAPGDTTLVPTGLAIHIADPSLAAMMLPRSGLGHKHGIVLGNLVGLIDSDYQGQLMISVWNRGQDSFTIQPGERIAQMIFVPVVQAEFNLVEDFDATDRGEGGFHSGRQ"				
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repeat region	831..838				

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regulatory

CDS

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/note="put. stem-loop structure"

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ORIGIN

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