
Complete nucleotide sequence and deduced amino acid sequence of the M5 polypeptide gene of *Escherichia coli*

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The polypeptide M5 has been implicated in the control of the enzymes of polysaccharide biosynthesis in lon strains of *E.coli* (1). An *EcoRI-PstI* fragment of chromosomal DNA from *E.coli* strain JM83 carrying the M5 gene was cloned into M13mp8. We describe here the nucleotide sequence of the M5 polypeptide and its predicted amino acid sequence.

1	ATGGATTATGTTTGCTCCGTAGITTT	TCATCTGTCAATCATTGTATTAAT
	m d y v c s v v f	i c q s f d l i
	TATAAACAGGAGATTATCTCGTTC	AAAAAAAAATTCATTGTTTATTGTAA
	i n r r v i s f	k k n s l f i v s
101	CGCACAAAATTAGAAGGGAGTTACC	AGTATGCCCCCTCTAAACTAAGAATT
	d k i r r e l p	v c p s k l r i
	GTTGATATAGATAAGAAAACATGTT	TATCCTTTTTATCGACGTTGAATAA
	v d i d k k t c l	s f f i d v n n
201	TGAGCTGCCTGGCAAATTTACTCTT	GATAAGAAATGGCTATATTGCTGAAG
	e l p g k f t l	d k n g y i a e e
	AGGAACCTCCATTATCGCTTGTTTT	TTCCTGTTTGAAGGGATTAAAATA
	e p p l s l v f	s l f e g i k i
301	GCAGACTCACACTCCCTTTGGTTAA	AAGAAAGACTATGTATATCCTTACT
	a d s h s l w l k	e r l c i s l l
	TGCCATGTTCAAAAAACGGAAAAGT	GTAATTCATTTATACTAACAAATA
	a m f k k r e s	v n s f i l t n i
401	TAAATACATTTACCTGTAAAATTAC	TGGAATAATCAGTTTAAATATTGAG
	n t f t c k i t	g i i s f n i e
	CGCAATGGCATTFAAAGATATTG	CGGAATTGATTATACGAGTGAAG
	r q w h l k d i a	e l i y t s e s
501	TTTAATAAAAAAAGATTAAGGGAT	GAAGAAACGTCATTTACTGAATAT
	l i k k r l r d	e g t s f t e i l
	TGAGAGATACTAGGATGAGGTATGC	AAAAAACTCATACTTCAAACCTCT
	r d t r m r y a	k k l i t s n s
601	TATTCTATCAATGTCGTAGCCCGA	AATGTGGCTATAACAGTACTTCATA
	y s i n v v a q k	c g y n s t s y
	TTTCATATGTGCATTTAAAGATTAT	TATGGTGTACGCCCATCTCATTATT
	f i c a f k d y	y g v t p s h y f
701	TTGAGAAAATAATCGGCGTCACAGA	TGGAATAACAAAAAATTTGACTGA
	e k i i g v t d	g i n k t i d .
801	TAA	

REFERENCE1. Gayda, R.C. et al. (1979) Molec.Gen.Genet., 175, 325-332.