

## Product datasheet for **TP725995**

### lacI Escherichia coli Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant E.coli LacI (C-6His)
Species:	Escherichia coli
Expression cDNA Clone or AA Sequence:	Met1-Gln360
Tag:	C-His
Buffer:	Supplied as a 0.2 um filtered solution of 20mM Tris-HCl, 300mM NaCl, 5mM DTT pH 8.0 .
Note:	Recombinant E.coli Lactose operon repressor is produced by our E.coli expression system and the target gene encoding Met1-Gln360 is expressed with a 6His tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	945007
UniProt ID:	<a href="#">P03023</a>
Summary:	Lactose operon repressor (LacI) contains one HTH lacI-type DNA-binding domain, functions as a homotetramer. Lactose operon repressor as a repressor of the lactose operon, which also as an inducer, binds allolactose. If remove residues 1-59, resulting the loss of DNA-binding activity but retains tetrameric structure and inducer-binding activity. If delete residues 340-360, resulting the loss of tetramer formation, but retains dimer formation, inducer-binding activity, and DNA-binding activity.



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