9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

FUR E.Coli

Ferric Uptake Regulator E.Coli Recombinant
RCP0881

Product Overview

Name	FUR E.Coli
Description	
Ferric Uptake Regulator E.Coli Recombinant	
Accession (Primary)	P0A9A9
Synonyms	
ECs0714, Ferric uptake regulation protein, Ferric uptake regulator, Z0831, FUR, ECK0671, JW0669, b0683.	
Introduction	
Ferric Uptake Regulator protein NCBI Accession No.: NP_415209 is a DNA-binding protein which controls iron-responsive genes. Ferric Uptake Regulator has a molecular mass of 17-kDa and plays a role in global transcriptional repressor that in the existence of iron regulates functions as diverse as iron acquisition, oxidative stress, and virulence. In Escherichia coli, members of the Ferric Uptake Regulator family regulate the expression of at least 100 genes that function in processes as diverse as the biosynthesis and transport of siderophores, the expression of virulence factors, the alleviation of oxidative and NO-induced stress, and the inhibition of ferritin production through the expression of RyhB.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The Ferric Uptake Regulator protein solution (1mg/ml) contains 20mM Tris-HCl pH-8, 2mM CaCl 2 and 100mM NaCl.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
MTDNNTALKK AGLKVTLPRL KILEVLQEPD NHHVSAEDLY KRLIDMGEEI GLATVYRVLN QFDDAGIVTR HNFEGGKSVF ELTQQHHHDH LICLDCGKVI EFSDDSIEAR QREIAAKHGI RLTNHSLYLY GHCAEGDCRE	

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DEHAHEGK.

Precautions

FUR E.Coli is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P0A9A9)