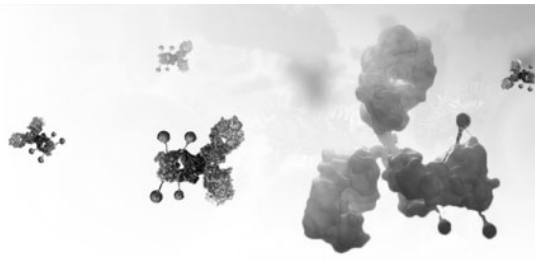

# E. coli Ferric uptake regulation protein (aa 1 - 148) (DAG-P2148)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

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| **Product Overview** | E. coli Ferric uptake regulation protein full length protein |
| **Antigen Description** | Ferric Uptake Regulator protein 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. |
| **Nature** | Recombinant |
| **Expression System** | E. coli |
| **Species** | E. coli |
| **Purity** | > 95 % by SDS-PAGE.Putity greater than 95% as determined by Analysis by RP-HPLC and SDS-PAGE. |
| **Conjugate** | Unconjugated |
| **Applications** | SDS-PAGE |
| **Molecular Weight** | 16 kDa |
| **Cellular Localization** | Cytoplasmic |
| **Procedure** | None |
| **Format** | Liquid |

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|---|---|
| **Buffer** | pH: 8.00Constituents: 0.32% Tris HCl, 0.02% Calcium chloride, 0.58% Sodium chloride |
| **Preservative** | None |
| **Storage** | Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C long term. Avoid repeated freeze / thaw cycles. pH: 8.00Constituents: 0.32% Tris HCl, 0.02% Calcium chloride, 0.58% Sodium chloride |

# BACKGROUND

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| **Introduction** | Escherichia coli; commonly abbreviated E. coli) is a gram-negative, facultatively anaerobic, rod-shaped bacterium of the genus Escherichia that is commonly found in the lower intestine of warm-blooded organisms (endotherms). Most E. coli strains are harml |
| **Keywords** | b0683; ECK0671; Ferric uptake regulator; FUR; JW0669; Z0831; Escherichia coli FUR; E. coli FUR |

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