

Ferric Uptake Regulator Recombinant Protein | FUR recombinant protein

Recombinant E Coli Ferric Uptake Regulator

CATALOG # AAA38629	HOST E Coli
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PRODUCT SYNONYMS

Ferric Uptake Regulator; Recombinant E Coli Ferric Uptake Regulator; FUR E.Coli; Ferric Uptake Regulator E.Coli Recombinant; ECs0714; Ferric uptake regulation protein; Ferric uptake regulator; Z0831; FUR; ECK0671; JW0669; b0683; FUR recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by SDS-PAGE.
Form/Format	The Ferric Uptake Regulator protein solution (1mg/ml) contains 20mM Tris-HCl pH-8, 2mM CaCl ₂ and 100mM NaCl. Sterile Filtered colorless solution.
Sequence	MTDNNTALKK AGLKVTLPRL KILEVLQEPD NHHVSAEDLY KRLIDMGEEI GLATVYRVLN QFDDAGIVTR HNFEGGKSVF ELTQQHHHDH LICLDCGKVI EFSDDSIAR QREIAAKHGI RLTNHSLYLY GHCAEGDCRE DEHAHEGK
Sequence Length	148
Preparation and Storage	Store at 4 degree C if entire vial will be used within 2-4 weeks. Store, frozen at -20 degree 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.

ADDITIONAL INFORMATION

Related Product Information for FUR recombinant protein	Description: Ferric Uptake Regulator Recombinant produced in E Coli is a single, non-glycosylated polypeptide chain containing 148 amino acids and having a molecular mass of 16.7kDa. 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.
Product Categories/Family for FUR recombinant protein	Recombinant & Natural Proteins ; Recombinant Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	16128659
NCBI GeneID	945295
NCBI Accession #	NP_415209.1
NCBI GenBank Nucleotide #	NC_000913.3
UniProt Accession #	P0A9A9 ; P06975

Molecular Weight	16,795 Da
NCBI Official Full Name	ferric iron uptake regulon transcriptional repressor; autorepressor
NCBI Official Symbol	fur
NCBI Official Synonym Symbols	ECK0671; JW0669
NCBI Protein Information	ferric iron uptake regulon transcriptional repressor; autorepressor
UniProt Protein Name	Ferric uptake regulation protein
UniProt Gene Name	fur
UniProt Synonym Gene Names	Ferric uptake regulator
UniProt Entry Name	FUR_ECOLI

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/fur-recombinant-protein-e-coli/38629>