

Ferric uptake regulator (FuR) Recombinant Protein | FuR recombinant protein

Ferric uptake regulator (FuR), 1-148aa, E Coli, E Coli

CATALOG # AAA48497	HOST E Coli	APPLICATIONS SDS-Page
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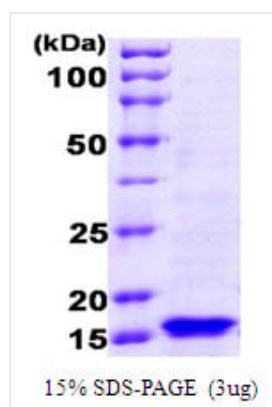
PRODUCT SYNONYMS

Ferric uptake regulator (FuR); 1-148aa; E Coli; DNA-binding transcriptional dual regulator of siderophore biosynthesis and transport; Ferric uptake regulator; FuR; ECK0671; Ferric uptake regulation protein; JW0669.; FuR recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid in 20mM Tris pH 8.0, 2mM CaCl ₂ , 100mM NaCl
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MTDNNTALKK AGLKVTLPR L KILEVLQEPD NHHVSAEDLY KRLIDMGEEI GLATVYRVLN QFDDAGIVTR HNFEGGKSVF ELTQQHHHDH LICLDCGKVI EFSDDSIAR QREIAAKHGI RLTNHSLYLY GHCAEGDCRE DEHAHEGK
Sequence Length	148
Applicable Applications for FuR recombinant protein	SDS-PAGE
Antigen Species	Human
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for FuR recombinant protein	Fur (ferric uptake regulator) protein is a DNA-binding protein which regulates iron-responsive genes. Fur is a small, 17-kDa, global transcriptional repressor that in the presence of iron regulates functions as diverse as iron acquisition, oxidative stress, and virulence. In Escherichia coli, members of the Fur family regulate the expression of more than 100 genes that function in processes as varied 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. Recombinant FuR was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for FuR recombinant protein	Cell Cycle
References	O'Sullivan DJ., et al. (1994). FEMS Microbiol Lett. Apr 15; 117 (3):327-32; Mills SA., et al. (2005) Biochemistry. Oct 18; 44 (41):13553-9;

NCBI AND UNIPROT INFORMATION

NCBI GI #	16128659
NCBI GeneID	945295
NCBI Accession #	NP_415209
NCBI GenBank Nucleotide #	NC_000913.3
UniProt Accession #	P0A9A9; P06975
Molecular Weight	16.7kDa (148aa), confirmed by MALDI-TOF.
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

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/fur-recombinant-protein-e-coli-sds-page/48497>