Recombinant Full Length Bacillus Subtilis Ferrous Iron Permease Efeu(Efeu) Protein, His-Tagged

Cat. No. RFL12963BF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Bacillus subtilis Ferrous iron permease EfeU(efeU) Protein (P39595) (23-481aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Bacillus subtilis
Source	E.coli
ProteinLength	Full Length of Mature Protein (23-481)
Form	Lyophilized powder
AA Sequence	EDDPIAALIQLNKQMIKSVKDGDMDSAQQTFDTFKAKWKKEEPSIKKENLSSHSEMD ANI AMISLSFINQDARKLKTQLEELASHLETYQQAVVLKKTSSGQSRASLTAYIQSLK DTKQF IEKKQLDEASSAIDNLVTSWLAVEGDVVSQSKEAYTTSEENLALMKAEIGSH PEKVSKQI DEMIQLLEPIASSSYSWWDAALIPVREGMEALLVIGALLTMTKKARVTRS STWIWGGASA GMAVSLAAGIGVTVLFSSSVFGENNFLLGGVTGVLSAVMLLYVGV WLHRNASMDKWREKI NIQKSQALKKRSLLSFALIAFLAVVREGLETVIFFIGLVGKLPL TELIGGTAAGLIVLVI VGVLMIKLGMRIPLKPFFLLSMAVVLYMCVKFLGTGVHSLQLA GILPSDAESWLPSVSVL GIYPSVYSTIPQMLILLFLLIALVSEAAKHFTNGKELTK
Purity	Greater than 90% as determined by SDS-PAGE.
Applications	SDS-PAGE

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Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Storage Buffer	Tris/PBS-based buffer, 6% Trehalose, pH 8.0
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20℃/-80℃. Our default final concentration of glycerol is 50%. Customers could use it as reference.

GENE INFORMATION

Gene Name	efeU
Synonyms	efeU; ywbL; BSU38280; ipa-27d; Ferrous iron permease EfeU; Fe(2+ ion permease EfeU; Ferrous iron uptake protein
UniProt ID	P39595

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