

Recombinant Escherichia coli NFSA Protein (1-240 aa), His-tagged

Cat. No. NFSA-1585E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Escherichia coli (strain K12) NFSA Protein (1-240 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Full Length.
Species	E.coli
Source	Yeast
ProteinLength	1-240 aa
Description	Reduction of nitroaromatic compounds using NADH. Reduces nitrofurazone by a ping-pong bi-bi mechanism possibly to generate a two-electron transfer product. Major component of the oxygen-insensitive nitroreductase activity in E.coli.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	28.8 kDa
AA Sequence	MTPTIELICGHR SIRHFTDEPISEAQREAIINSARATSSSSFLQCSSIIRITDKALREELV TLTGGQKHVAQAAEFWVFCADFNRHLQICPDAQGLAEQLLLGVVDTAMMAQNALI AAESLGLGGVYIGGLRNNIEAVTKLLKLPQHVLPLFGLCLGWPADNPDLKPRLPASIL VHENSYQPLDKGALAQYDEQLAEYYLTRGSNNRRDTSWDHIRRTIIKESRPFILDYLYH KQGWATR

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

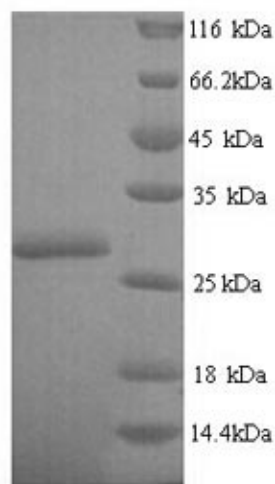
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Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.
GENE INFORMATION	
Gene Name	nfsA NADPH-dependent nitroreductase NfsA [Escherichia coli str. K-12 substr. MG1655]
Official Symbol	NFSA
Synonyms	ECK0842; mda18; mdaA; ybjB;
Gene ID	945483
Protein Refseq	NP_415372
UniProt ID	P17117

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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