

Recombinant E.coli DeoC, His-tagged

Cat. No. deoC-978E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant E.coli deoC protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques(1-279aa).
Species	E.coli
Source	E.coli
Description	DeoC is a member of the deoC/fbaB aldolase protein family. The systematic name of this enzyme class is 2-deoxyribose-5-phosphate aldolase, which cleave carbon-carbon bonds. This protein is Involved in the carbohydrate degradation pathway, catalyzes the conversion of 2-deoxy-D-ribose 5-phosphate to D-glyceraldehyde 3-phosphate and an acetyldehyde.
Form	Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol, 2mM DTT.
Molecular Weight	29.9 kDa (279aa), confirmed by MALDI-TOF
Purity	> 95% by SDS - PAGE
Concentration	1 mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MTDLKASSLR ALKLMDLTTL NDDDTDEKVI ALCHQAKTPV GNTAAICIYP RFIPIARKTL KEQGTPEIRI ATVTNFPHGN DDIDIALAET RAAIAYGADE VDVVFPYRAL MAGNEQVGFD LVKACKEACA AANVLLKVII ETGELKDEAL IRKASEISIK AGADFIKTST GKVAVNATPE

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SARIMMEVIR DMGVEKTVGF KPAGGVRTAE DAQKYLAID ELFGADWADA
RHYRFGASSL LASLLKALGH GDGKSASSY

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION**Gene Name**

deoC 2-deoxyribose-5-phosphate aldolase, NAD(P)-linked [*Escherichia coli* str. K-12 substr. MG1655]

Synonyms

deo C; dra; ECK4373; JW4344; thyR; tlr; 2-deoxyribose-5-phosphate aldolase, NAD(P)-linked; NP_418798.1; EC 4.1.2.4; 2-deoxyribose-5-phosphate aldolase

Gene ID

948902

Protein Refseq

NP_418798

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