

AR09961PU-L**E. coli DERA / deoC (1-259, His-tag) - Purified****Alternate names:**

2-deoxy-D-ribose 5-phosphate aldolase, CGI-26, Deoxyriboaldolase, Deoxyribose-phosphate aldolase, Phosphodeoxyriboaldolase, dra, thyR

Quantity:

0.5 mg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

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 acetylaldehyde.

Uniprot ID:[P0A6L0](#)**NCBI:**[AP_004869](#)**GeneID:**[948902](#)**Species:**

E. coli

Source:

E. coli

Format:**State:** Liquid purified protein**Purity:** >95%**Buffer System:** 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 2mM DTT**Description:**

Recombinant E.coli deoC protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MTDLKASSLR ALKLMDLTTL NDDDTDEKVI ALCHQAKTPV
GNTAAICIYP RFIPIARKTL KEQGTPEIRI ATVTNFPHGN DDIDIALAET RAAIAYGADE
VDVVPYRAL MAGNEQVGF LVKACKEACA AANVLLKVII ETGELKDEAL IRKASEISIK
AGADFIKTST GKVAVNATPE SARIMMEVIR DMGVEKTVGF KPAGGVRTAE DAQKYLAIAAD
ELFGADWADA RHYRFGASSL LASLLKALGH GDGKSASSY

Molecular weight: 29.9 kDa (279aa), confirmed by MALDI-TOF**Storage:**

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

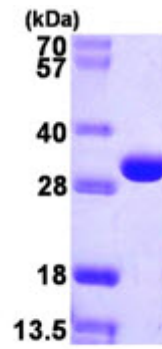
Shelf life: one year from despatch.

General Readings:

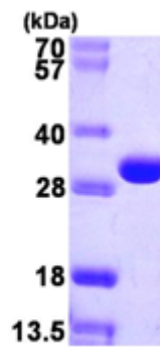
Horinouchi N., et al. (2006) Biosci Biotechnol Biochem. 70(6):1371-8.

Pictures:

Recombinant E. coli deoC, 1-259 aa, His-tagged



15% SDS-PAGE (3ug)



15% SDS-PAGE (3ug)