

deoC, 1-259 aa

Cat.NO.: TP01864

3th Edition

Synonyms:dra, ECK4373, JW4344, thyR, DERA.

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

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

Sequences:

MGSSHHHHHSSGLVPRGSHMTDLKASSLRALKLMDLTTLNDDDTDEKVIALCHQAKTPVGNTAAICIIYPRFIPIAR
KTLKEQGTPEIRIATVTNFPHGNDIDIALAETRAAIAYGADEVVVFPYRALMAGNEQVGFDLVKACKEACAAANVL
LKVIIETGELKDEALIRKASEISIKAGADFIKTSTGKVAVNATPESARIMMEVIRDMGVEKTVGFKPAGGVRTAEDAQK
YLAIADELFGADWADARHYRFGASSLLASLLKALGHGDGKSASSY

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.