

## DERA E.coli

**Description:**DERA produced in E.Coli is a single, non-glycosylated polypeptide chain containing 338 amino acids (1-318 a.a.) and having a molecular mass of 37.3kDa.DERA is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Catalog #:**ENPS-125

For research use only.

**Synonyms:**Putative deoxyribose-phosphate aldolase, DERA, 2-deoxy-D-ribose 5-phosphate aldolase, Phosphodeoxyriboaldolase, Deoxyriboaldolase, DERA, CGI-26.

**Source:**Escherichia Coli.

**Physical Appearance:**Sterile Filtered colorless solution.

**Amino Acid Sequence:**MGSSHHHHHH SSGLVPRGSH LCYKAKYPIR EDLLKALNMH  
DKGITTAAVC VYPARVCDV KALKAAGCNI PVASVAAGFP AGQTHLKTRL EEIRLAVEDG  
ATEIDVVINR MSAHNRGTEL DLSWISKIQV NHPAVLRRAE QIQARRTVKK EWQAAWLLKA  
VTFIDLTTLS GDDTSSNIQR SLVLTGQWEA LYDEIRQFRK ACGEAHLKTI LATGELGTLT  
NVYKASMIAM MA

**Purity:**Greater than 90.0% as determined by SDS-PAGE.

### Formulation:

The DERA solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 1mM DTT.

### Stability:

DERA should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

### Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### Introduction:

Deoxyribose-phosphate aldolase (DERA) is a member of the deoC/fbaB aldolase protein family involved in the carbohydrate degradation pathway. DERA catalyzes the conversion of 2-deoxy-D-ribose 5-phosphate to D-glyceraldehyde 3-phosphate and an acetyldehyde.

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