

## DERA E.coli (1-259 a.a.)

**Description:**DERA produced in E.Coli is a single, non-glycosylated polypeptide chain containing 279 amino acids (1-259 a.a.) and having a molecular mass of 29.9kDa. DERA is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #:ENPS-134

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

For research use only.

**Source:**Escherichia Coli.

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

**Amino Acid Sequence:**MGSSHHHHH SSGLVPRGSH MTDLKASSLR ALKLMDLTTL  
NDDDTDEKVI ALCHQAKTPV GNTAAICIYP RFIPIARKTL KEQGTPEIRI ATVTNFPHGN  
DDIDIALAET RAAIAYGADE VDVVFPYRAL MAGNEQVGF D LVKACKEACA AANVLLKVII  
ETGELKDEAL IRKASEISIK AGADFIKTST GKVAVNATPE SARIMMEVIR DMGVEKTVGF  
KPAGGVRTAE DA

**Purity:**Greater than 95.0% as determined by SDS-PAGE.

**Formulation:**

The DERA solution (1mg/ml) 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 2mM 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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