

## Deoxyribose-Phosphate Aldolase E.Coli Recombinant

<b>Item Number</b>	rAP-0839
<b>Synonyms</b>	Putative deoxyribose-phosphate aldolase, DERA, 2-deoxy-D-ribose 5-phosphate aldolase, Phosphodeoxy-riboaldolase, Deoxyriboaldolase, DERA, CGI-26.
<b>Description</b>	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.
<b>Uniprot Accession Number</b>	Q9Y315
<b>Amino Acid Sequence</b>	MGSSHHHHHH SSGLVPRGSH MTDLKASSLR ALKLMDLTTL NDDDTDEKVI ALCHQAKTPV GNTAAI-CIYP RFIPIARKTL KEQGTPEIRI ATVTNFPHGN DDIDIALAET RAAIAYGADE VDVVFPYRAL MAG-NEQVGFD LVKACKEACA AANVLLKVII ETGELKDEAL IRKASEISIK AGADFIKTST GKVAVNATPE SARIMMEVIR DMGVEKTVGF KPAGGVRTAE DAQKYLAIAD ELFGADWADA RHYRFGASSL LASLLKALGH GDGKSASSY.
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
<b>Formulation and Purity</b>	The DERA solution (1mg/ml) 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 2mM DTT. Greater than 95.0% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**