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## Product Data Sheet

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Product Name: DERA Human  
 Cat. No.: GP21552  
 Batch No.: 1

### Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Putative deoxyribose-phosphate aldolase; DERA; 2-deoxy-D-ribose 5-phosphate aldolase; Phosphodeoxyriboaldolase; Deoxyriboaldolase; DERA; CGI-26.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MSAHNRGTEL DLSWISKIQV NHPAVLRRAE QIQARRTVKK EWQAAWLLKA VTFIDLTTLS GDDTSSNIQR LCYKAKYPIR EDLLKALNMH DKGITTAAVC VYPARVCDV KALKAAGCNI PVASVAAGFP AGQTHLCTRL EEIRLAVEDG ATEIDVVINR SLVLTGQWEA LYDEIRQFRK ACGEAHLKTI LATGELGTLT NVYKASMIAM MAGSDFIKTS TGKETVNATF PVAIVMLRAI RDIFFWKTGNK IGFKPAGGIR SAKDSLAWLS LVKEELGDEW LKPELFRIGA STLLSDIERQ IYHHVTGRYA AYHDLPMS		
Formulation	The DERA solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 1mM DTT and 20% glycerol.		

### 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.

### Stability

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.

### Background

DERA Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide

**Caution: Product has not been fully validated for medical applications. For research use only.**

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chain containing 338 amino acids (1-318) and having a molecular mass of 37.3 kDa. DERA is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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