

Deoxyribose-Phosphate Aldolase Human Recombinant

Item Number	rAP-0840
Synonyms	Putative deoxyribose-phosphate aldolase, DERA, 2-deoxy-D-ribose 5-phosphate aldolase, Phosphodeoxy-riboaldolase, Deoxyriboaldolase, DERA, CGI-26.
Description	DERA Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide 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.
Uniprot Accession Number	Q9Y315
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MSAHNRGTEL DLSWISKIQV NHPAVLRRAE QIQARRTVKK EWQAAWLLKA VTFIDLTLS GDDTSSNIQR LCYKAKYPIR EDLLKALNMH DKGITTAAVC VYPARVCDV KALKAAGCNI PVASVAAGFP AGQTHLKTRL EEIRLAVEDG ATEIDVVINR SLVLTGQWEA LYDEIRQFRK ACGEAHLKTI LATGELGTLT NVYKASMIAM MAGSDFIKTS TGKETVNTAF PVAIVMLRAI RDFFWKTGNK IGFKPAGGIR SAKDSLAWLS LVKEELGDEW LKPELFRIGA STLLSDIERQ IYHHVTGRYA AYHDLPMs
Source	E.coli.
Physical Appearance and Stability	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.
Formulation and Purity	The DERA solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 1mM DTT and 20% glycerol. Greater than 85% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	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**