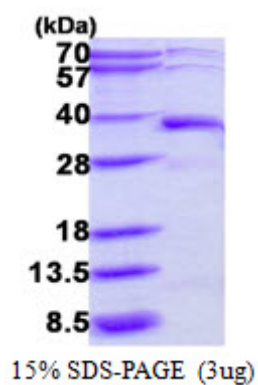


AR39138PU-N**Human DERA (1-318, His-tag) - Purified**

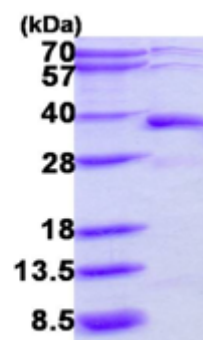
Alternate names:	CGI-26, Deoxyriboaldolase, Phosphodeoxyriboaldolase, deoxyribose-phosphate aldolase
Quantity:	50 µg
Concentration:	0.5 mg/ml (determined by Bradford assay)
Background:	DERA, also known as deoxyribose-phosphate aldolase, belongs to the deoC/fbaB aldolase protein family involved in the carbohydrate degradation pathway. This protein catalyzes the conversion of 2-deoxy-D-ribose 5-phosphate to D-glyceraldehyde 3-phosphate and an acetyldehyde.
Uniprot ID:	Q9Y315
NCBI:	NP_057038
GeneID:	51071
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >90% Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT
Description:	Recombinant human DERA protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography. AA Sequence: MGSSHHHHH SGLVPRGSH MSAHNRGTEL DLSWISKIQV NHPAVLRRAE QIQARRTVKK EWQAALLKA VTFIDLTTLS GDDTSSNIQR LCYKAKYPIR EDLLKALNMH DKGITTAAVC VYPARVCDV KALKAAGCNI PVASVAAGFP AGQTHLKTRL EEIRLAVEDG ATEIDVVINR SLVLTGQWEA LYDEIRQFRK ACGEAHLKTI LATGELGTLT NVYKASMIAM MAGSDFIKTS TGKETVNATF PVAIVMLRAI RDFFWKTGNK IGFKPAGGIR SAKDSLAWLS LVKEELGDEW LKPELFRIGA STLLSDIERQ IYHHVTGRYA AYHDLPMs Molecular weight: 37.3 kDa (338aa), confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Heine, A. et al. (2004) J. Mol. Biol. 343:1019-34. Sakuraba, H. et al. (2003) J. Biol. Chem. 278:10799-806.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human DERA, 1-318aa, His-tagged



15% SDS-PAGE (3ug)