

## Product datasheet for **AR39138PU-N**

### DERA (1-318, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	DERA (1-318, His-tag) human recombinant protein, 50 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MSAHNRTGTEL DLSWISKIQV NHPAVLRRAE QIQARRTVKK EWQAAWLLKA VTFIDLTTLS GDDTSSNIQR LCYKAKYPIR EDLLKALNMH DKGITTAAVC VYPARVCDV KALKAAGCNI PVASVAAGFP AGQTHLKTRL EEIRLAVEDG ATEIDVWINR SLVLTGQWEA LYDEIRQFRK ACGEAHLKTI LATGELGTLT NVYKASMIAM MAGSDFIKTS TGKETVNATF PVAIVMLRAI RDFFWKTGNK IGFKPAGGIR SAKDSLAWLS LVKEELGDEW LKPELFRIGA STLLSDIERQ IYHHVTGRYA AYHDLPMs
Tag:	His-tag
Predicted MW:	37.3 kDa
Concentration:	lot specific
Purity:	>90%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human DERA protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
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.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_001287708</a>
Locus ID:	51071
UniProt ID:	<a href="#">E9PPM8</a>
Cytogenetics:	12p12.3
Synonyms:	CGI-26; DEOC



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**Summary:** Catalyzes a reversible aldol reaction between acetaldehyde and D-glyceraldehyde 3-phosphate to generate 2-deoxy-D-ribose 5-phosphate. Participates in stress granule (SG) assembly. May allow ATP production from extracellular deoxyinosine in conditions of energy deprivation.[UniProtKB/Swiss-Prot Function]

**Protein Families:** Druggable Genome

**Protein Pathways:** Pentose phosphate pathway

**Product images:**

