Recombinant Human DERA, His-tagged

Cat. No. DERA-28067TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human DERA with an N terminal His tag; 338 amino acids with the tag; mwt: 37.3 kDa.
Species	Human
Source	E.coli
ProteinLength	318 amino acids
Description	DERA, also known as deoxyribose-phosphate aldolase, belongs to the de°C/fbaB aldolase protein family involved in the carbohydrate degradation pathway.
Conjugation	HIS
Molecular Weight	37.300kDa inclusive of tags
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	pH: 8.00Constituents:0.32% Tris HCl, 20% Glycerol, 0.58% Sodium chloride, 0.02% DTT
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

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Sequences of amino acids	MGSSHHHHHHSSGLVPRGSHMSAHNRGTELDLSWISKIQVNHPAVLRRAEQIQAR RTVKKEWQAAWLLKAVTFIDLTTLSGDDTSSNIQRLCYKAKYPIREDLLKALNMHDK GITTAAVCVYPARVCDAVKALKAAGCNIPVASVAAGFPAGQTHLKTRLEEIRLAVEDG ATEIDVVINRSLVLTGQWEALYDEIRQFRKACGEAHLKTILATGELGTLTNVYKASMIA MMAGSDFIKTSTGKETVNATFPVAIVMLRAIRDFFWKTGNKIGFKPAGGIRSAKDSLA WLSLVKEELGDEWLKPELFRIGASTLLSDIERQIYHHVTGRYAAYHDLPMS
Sequence Similarities	Belongs to the de°C/fbaB aldolase family. De°C type 2 subfamily.

GENE INFORMATION

Gene Name	DERA deoxyribose-phosphate aldolase (putative) [Homo sapiens]
Official Symbol	DERA
Synonyms	DERA; deoxyribose-phosphate aldolase (putative); 2 deoxyribose 5 phosphate aldolase homolog (C. elegans); putative deoxyribose-phosphate aldolase; CGI 26; DEOC;
Gene ID	51071
mRNA Refseq	NM_015954
Protein Refseq	NP_057038
Uniprot ID	Q9Y315
Chromosome Location	12p12.3
Pathway	Pentose phosphate pathway, organism-specific biosystem; Pentose phosphate

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	pathway, conserved biosystem;
Function	deoxyribose-phosphate aldolase activity; lyase activity;

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