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Datasheet for ABIN7319298

RPE Protein (His tag)

Overview

Quantity:	50 µg
Target:	RPE
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This RPE protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human RPE Protein (E.coli, His Tag)
Sequence:	Met 1-Arg228
Characteristics:	Recombinant Human Ribulose-Phosphate 3-Epimerase is produced by our E.coli expression system and the target gene encoding Met1-Arg228 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	RPE
Alternative Name:	RPE (RPE Products)
Background:	Background: Ribulose-Phosphate 3-Epimerase (RPE) is a member of the Ribulose-Phosphate 3-Epimerase family. RPE exists as a homodimer and catalyzes the reversible epimerization of D-

Target Details

ribulose 5-phosphate to D-xylulose 5-phosphate. RPE binds one divalent metal cation per subunit and contains tightly bound Fe²⁺ when produced in E. coli, but the physiological cofactor may be Co²⁺, Mn²⁺ or Zn²⁺. It has been shown that RPE participates in 3 metabolic pathways: pentose phosphate pathway, pentose and glucuronate interconversions, and carbon fixation.

Synonym: Ribulose-Phosphate 3-Epimerase, Ribulose-5-Phosphate-3-Epimerase, RPE, HUSSY-17,RPE2-1

Molecular Weight: 25.9 kDa

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 6.2.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.