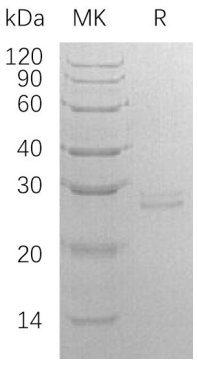
Product Name: Recombinant Human RPE (C-6His)
Catalog #: PEH1440

Summary

Name	Ribulose-phosphate 3-epimerase/RPE
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	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.
Accession #	Q96AT9-1
Host	E.coli
Species	Human
Predicted Molecular Mass	25.9 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, 10% Sucrose, 0.05% Tween80, pH7.2.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image



Background

Alternative Names	Ribulose-Phosphate 3-Epimerase; Ribulose-5-Phosphate-3-Epimerase; RPE; HUSSY-17
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-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.

Note

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