

32-8153: Recombinant Human Ribulose-Phosphate 3-Epimerase/RPE (C-6His)

Gene : RPE
Gene ID : 6120
Uniprot ID : Q96AT9

Description

Source: E. coli.
MW :25.9kD.

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. 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.

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 6.2.
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : MASGCKIGPSILNSDLANLGAELRMLD SGADYLHLDVMDGHFVFNITFGHPVVESLRKQLGQDPFFDMHMM
VSKPEQWVKPMAVAGANQYTFHLEATENPGALIKDIRENGMKVGLAIKPGTSVEYLAPWANQIDMALVMTVEP
GFGGQKFMEDMMPKVHWRQTQFPSLDIEVDGGVGPDTVHKCAEAGANMIVSGSAIMRSEDPRSVINLLRNVC
SEAAQRSLDRVDHHHHHHH

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.