

32-2792: RPE Recombinant Protein

Alternative Name : Ribulose-phosphate 3-epimerase,Ribulose-5-phosphate-3-epimerase,RPE,HUSSY-17,RPE2-1.

Description

Source : Escherichia Coli. RPE Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 252 amino acids (1-228) and having a molecular mass of 27.5kDa.RPE is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Ribulose-phosphate 3-epimerase (RPE) is a member of the ribulose-phosphate 3-epimerase family. RPE is the enzyme which converts D-ribulose 5-phosphate into D-xylulose 5-phosphate in Calvin's reductive pentose phosphate cycle. Therefore, the RPE enzyme has one substrate, D-ribulose 5-phosphate, and one product, D-xylulose 5-phosphate. RPE participates in three metabolic pathways: pentose phosphate pathway, pentose and glucuronate interconversions, and carbon fixation.

Product Info

Amount : 20 µg

Purification : Greater than 95% as determined by SDS-PAGE.

Content : The RPE solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 2mM DTT, 30% glycerol and 200mM NaCl.

Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks.Store, frozen at -20°C for longer periods of time. For long term it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

Amino Acid : MGSSHHHHH SSGLVPRGSH MGSHTMASGCK IGPSILNSDL ANLGAELCRM LDSGADYLHL
DVMDGHFVFN ITFGHPVVEV LKQLGQDPF FDMHMMVSKP EQWVKPMAVA GANQYTFHLE
ATENPGALIK DIRENGMKVG LAIKPGTSVE YLAPWANQID MALVMTVEPG FGGQKFMEDM
MPKVHWLRTQ FPSLDIEVDG GVGPDTVHKC AEAGANMIVS GSAIMRSEDP RSVINLLRNV CSEAAQKRSL
DR.

