

## 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

<b>Amount :</b>	20 µg
<b>Purification :</b>	Greater than 95% as determined by SDS-PAGE.
<b>Content :</b>	The RPE solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 2mM DTT, 30% glycerol and 200mM NaCl.
<b>Storage condition :</b>	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.
<b>Amino Acid :</b>	MGSSHHHHHH SSGLVPRGSH MGSHTMASGCK IGPSILNSDL ANLGAELCRM LDGADYLHL DVMDGHFVFN ITFGHPVVES LRKQLGQDPF FDMHMMVSKP EQWVKPMAVA GANQYTFHLE ATENPGALIK DIRENGMKVG LAIKPGTSVE YLAPWANQID MALVMTVEPG FGGQKFMEDM MPKVHWLRTQ FPSLDIEVDG GVGPDTVHKC AEAGANMIVS GSAIMRSEDP RSVINLLRNV CSEAAQKRSL DR.