

Recombinant Human RPE protein(Ala2-Arg228), His-tagged

Cat. No. RPE-3234H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human RPE (NP_954699.1) (Ala 2-Arg 228) was expressed in HEK293, with a polyhistidine tag at the N-terminus.
Species	Human
Source	HEK293
ProteinLength	2-228 a.a.
Form	Lyophilized from sterile 50mM Tris, 100mM NaCl, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant human RPE consists of 246 amino acids and has a calculated molecular mass of 27 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhRPE is approximately 30 kDa.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 94 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	RPE ribulose-5-phosphate-3-epimerase [Homo sapiens]
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Official Symbol	RPE
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Synonyms	RPE; ribulose-5-phosphate-3-epimerase; ribulose-phosphate 3-epimerase; RPE2-1; MGC2636;
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Gene ID	6120
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mRNA Refseq	NM_006916
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Protein Refseq	NP_008847
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MIM	180480
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UniProt ID	Q96AT9
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