

Recombinant Human RPE65, His-tagged

Cat. No. RPE65-2371H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human RPE65 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	204-533aa
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

GENE INFORMATION

Gene Name	RPE65 retinal pigment epithelium-specific protein 65kDa [Homo sapiens]
Official Symbol	RPE65
Synonyms	RPE65; retinal pigment epithelium-specific protein 65kDa; retinal pigment epithelium specific protein (65kD) , RP20; retinoid isomerohydrolase; all trans retinyl palmitate hydrolase; LCA2; rd12; retinol isomerase; p63; RBP-binding membrane protein; all-trans-retinyl-palmitate hydrolase; retinitis pigmentosa 20 (autosomal recessive);

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retinal pigment epithelium-specific 65 kDa protein; RP20; mRPE65; sRPE65;

Gene ID [6121](#)

mRNA Refseq [NM_000329](#)

Protein Refseq [NP_000320](#)

MIM [180069](#)

UniProt ID [Q16518](#)

**Chromosome
Location** 1p31

Pathway Retinol metabolism, organism-specific biosystem; Retinol metabolism, conserved biosystem; Visual signal transduction: Cones, organism-specific biosystem; Visual signal transduction: Rods, organism-specific biosystem; Vitamin A and carotenoid metabolism, organism-specific biosystem; the visual cycle, conserved biosystem; the visual cycle, organism-specific biosystem;

Function all-trans-retinyl-palmitate hydrolase activity; hydrolase activity; isomerase activity; metal ion binding;

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