

Recombinant Mouse Rpe65 Protein, His-tagged

Cat. No. Rpe65-2031M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Rpe65 Protein (Ser2-Ser533) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Ser2-Ser533
Description	Enables retinal isomerase activity. Acts upstream of or within several processes, including cellular response to electrical stimulus; insulin receptor signaling pathway; and retinal metabolic process. Located in cytoplasm; nucleus; and plasma membrane. Is expressed in eye; pelvic urothelial lining; pigmented retinal epithelium; and urothelium of ureter. Used to study Leber congenital amaurosis 2 and retinitis pigmentosa 20. Human ortholog(s) of this gene implicated in Leber congenital amaurosis 2; retinitis pigmentosa; retinitis pigmentosa 20; and retinitis pigmentosa 87. Orthologous to human RPE65 (retinoid isomerohydrolase RPE65).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 64.7 kDa Accurate Molecular Mass: 65 kDa
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Rpe65 retinal pigment epithelium 65 [<i>Mus musculus</i> (house mouse)]
Official Symbol	Rpe65
Synonyms	RPE65; retinal pigment epithelium 65; retinoid isomerohydrolase; retinol isomerase; modifier of retinal degeneration 1; retinal pigment epithelium, 65 kDa; all-trans-retinyl-palmitate hydrolase; retinal pigment epithelium-specific 65 kDa protein; LCA2; RP20; rd12; 65kDa; Mord1; A930029L06Rik;
Gene ID	19892
mRNA Refseq	NM_029987
Protein Refseq	NP_084263

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UniProt ID

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