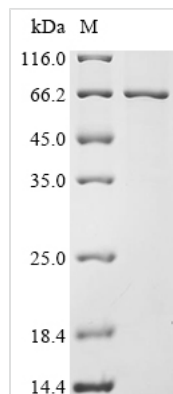




Recombinant Human Retinoid isomerohydrolase (RPE65)

Product Code	CSB-BP624103HU
Abbreviation	Recombinant Human RPE65 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q16518
Form	Liquid or Lyophilized powder
Storage Buffer	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	SIQVEHPAGGYKKLFETVEELSSPLTAHVTGRIPLWLTGSLLRCGPGLFEVGSE PFYHLFDGQALLHKFDFKEGHVITYHRRFIRTDAYVRAMTEKRIVITEFGTCAFP DPCKNIFSRFFSYFRGVEVTDNALVNVYPVGEDYYACTETNFITKINPETLETIK QVDLCNYVSVNGATAHPHIENDGTVYNIGNCFGKNFSIAYNIVKIPPLQADKED PISKSEIVVQFPCSDRFKPSYVHSFGLTPNYIVFVETPVKINLFKFLSSWSLWGA NYMDCFESNETMGVWLHIADKKRKKYLNNKYRTSPFNLFFHHINTYEDNGFLIV DLCCWKGFEFVYNYLYLANLRENWEEVKKNARKAPQPEVRRYVLPNIDKAD TGKNLVTLPNTTATAILCSDETIWLEPEVLFSGPRQAFEFQINYQKYCGKPYT YAYGLGLNHFVPDRLCKLNVKTKETWWVQEPDSYPSEPIFVSHPDAL EEDDG VVLSSVVVSPGAGQKPAYLLILNAKDLSEVARAEVEINIPVTFHGLFKKS
Research Area	Metabolism
Source	Baculovirus
Target Names	RPE65
Expression Region	2-533aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Mol. Weight	64.7 kDa
Protein Length	Full Length of Mature Protein
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

The generation of the recombinant Human RPE65 protein involves transfecting baculovirus cells with a DNA expression vector carrying the gene for the protein of interest (2-533aa). After transfection, the cells are cultured to express the desired protein. The protein is fused with a N-terminal 10xHis tag and C-terminal Myc tag. The recombinant Human RPE65 protein is collected and purified from the cell lysate through affinity purification, attaining a purity greater than 85%, as determined by SDS-PAGE.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.