

## Recombinant Human OCA2 protein, His-tagged

**Cat. No.** OCA2-2919H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human OCA2 protein(1-174 aa), fused to His tag, was expressed in E. coli.                                                                                                                                                                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | 1-174 aa                                                                                                                                                                                                                                                                            |
| <b>Form</b>             | The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole. |
| <b>AA Sequence</b>      | MHLEGRDGRRYPGAPAVELLQTSVPSGLAELVAGKRRLPRGAGGADPSHSCPRGA<br>AGQSSWAPAGQEFASFLTGRSHSSLPQMSSSRKSDSCFTENTPLLRNSLQEKGS<br>RCIPVYHPEFITAEESWEDSSADWERRYLLSREVSGLSASASSEKGDLLDSPHIRLR<br>LSKLRRRC                                                                                          |
| <b>Purity</b>           | 95%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                                                            |
| <b>Storage</b>          | Short-term storage: Store at 2-8°C for (1-2 weeks).<br>Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.                                                |

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**Reconstitution** Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage. Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

## GENE INFORMATION

**Gene Name** OCA2 oculocutaneous albinism II [ Homo sapiens ]

**Official Symbol** OCA2

**Synonyms**

OCA2; oculocutaneous albinism II; D15S12, EYCL2, EYCL3, eye color 2 (central brown) , eye color 3 (brown) , oculocutaneous albinism II (pink eye dilution (murine) homolog) , oculocutaneous albinism II (pink eye dilution homolog, mouse) , P; P protein; BEY; BEY1; BEY2; EYCL; melanocyte specific transporter protein; eye color 3 (brown); hair color 3 (brown); eye color 2 (central brown); total brown iris pigmentation; pink-eyed dilution protein homolog; melanocyte-specific transporter protein; oculocutaneous albinism II (pink-eye dilution homolog, mouse); P; PED; BOCA; HCL3; EYCL2; EYCL3; SHEP1; D15S12;

**Gene ID** 4948

**mRNA Refseq** NM\_000275

**Protein Refseq** NP\_000266

**MIM** 611409

**UniProt ID** Q04671

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