

Recombinant Human OCA2

Cat. No. OCA2-30532TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human P protein with a N terminal proprietary tag; Predicted MWt 36.63 kDa including the tag.
Species	Human
Source	Wheat Germ
ProteinLength	100 amino acids
Description	This gene encodes the human homologue of the mouse p (pink-eyed dilution) gene. The encoded protein is believed to be an integral membrane protein involved in small molecule transport, specifically tyrosine - a precursor of melanin. Mutations in this gene result in type 2 oculocutaneous albinism.
Molecular Weight	36.630kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.79% Tris HCl, 0.3% Glutathione
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Sequences of amino acids	GKLWQLLALSPLNYSVNLSSHVDSTLLQVDLAGALVASGPSRPGREEHIVVELTQA DALGSRWRRPQQVTHNWTVYLNPRRSEHSVMSRTFEVLTRETQ
Sequence Similarities	Belongs to the CitM (TC 2.A.11) transporter family.
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;
Gene ID	4948
mRNA Refseq	NM_000275
Protein Refseq	NP_000266
MIM	611409
Uniprot ID	Q04671
Chromosome Location	15q11.2-q12
Function	L-tyrosine transmembrane transporter activity; arsenite transmembrane transporter activity; citrate transmembrane transporter activity; protein binding; transporter

activity;

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