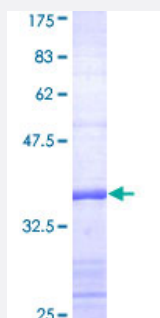


OCA2 (Human) Recombinant Protein (Q01)

Catalog # H00004948-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human OCA2 partial ORF (AAH12097, 201 a.a. - 300 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	GKLWQLLALSPLNYSVNLSSHVDSTLLQVDLAGALVASGPSRPGREEHVVLTQADALGSRWRRPQQVTHNWTVYLNPRRSEHSVMSRTFEVLTRTV
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
Interspecies Antigen Sequence	Mouse (71); Rat (71)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — OCA2

Entrez GeneID	4948
GeneBank Accession#	BC012097
Protein Accession#	AAH12097
Gene Name	OCA2
Gene Alias	BEY, BEY1, BEY2, BOCA, D15S12, EYCL, EYCL2, EYCL3, HCL3, P, PED, SHEP1
Gene Description	oculocutaneous albinism II
Omim ID	203200 227220 601800 611409
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	eye color 2 (central brown) eye color 3 (brown) hair color 3 (brown) melanocyte-specific transporter protein oculocutaneous albinism II (pink-eye dilution homolog, mouse) total brown iris pigmentation

Disease

- [Albinism](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)

- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hermanski-Pudlak Syndrome](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Malignant melanoma](#)
- [Melanoma](#)
- [Melanosin](#)
- [Nevus](#)
- [Pulmonary Disease](#)
- [Retinal Diseases](#)
- [Skin Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)