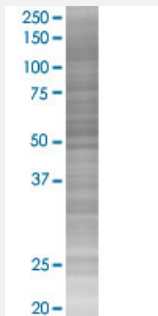


TYR 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00007299-T02

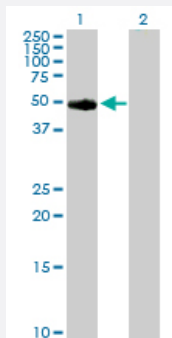
Size 100 uL

Applications



SDS-PAGE Gel

TYR transfected lysate.



Western Blot

Lane 1: TYR transfected lysate (42.90 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-TYR full-length

Host Human

Theoretical MW (kDa) 42.9

Quality Control Testing Transient overexpression cell lysate was tested with Anti-TYR antibody ([H00007299-D01P](#)) by Western Blots.
 SDS-PAGE Gel
 TYR transfected lysate.
 Western Blot
 Lane 1: TYR transfected lysate (42.90 KDa)
 Lane 2: Non-transfected lysate.

Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — TYR

Entrez GeneID	7299
GeneBank Accession#	BC027179.1
Protein Accession#	AAH27179.1
Gene Name	TYR
Gene Alias	OCA1A, OCAIA, SHEP3
Gene Description	tyrosinase (oculocutaneous albinism IA)
Omim ID	103470 203100 606933 606952
Gene Ontology	Hyperlink
Gene Summary	The enzyme encoded by this gene catalyzes the first 2 steps, and at least 1 subsequent step, in the conversion of tyrosine to melanin. The enzyme has both tyrosine hydroxylase and dopa oxidase catalytic activities, and requires copper for function. Mutations in this gene result in oculocutaneous albinism, and nonpathologic polymorphisms result in skin pigmentation variation. The human genome contains a pseudogene similar to the 3' half of this gene. [provided by RefSeq]
Other Designations	tyrosinase

Pathway

- [Betalain biosynthesis](#)
- [Biosynthesis of alkaloids derived from shikimate pathway](#)
- [Isoquinoline alkaloid biosynthesis](#)
- [Melanogenesis](#)

- [Metabolic pathways](#)
- [Riboflavin metabolism](#)
- [Tyrosine metabolism](#)

Disease

- [Adenocarcinoma](#)
- [Albinism](#)
- [Autistic Disorder](#)
- [Autoimmune Diseases](#)
- [Bone Neoplasms](#)
- [Carcinoma](#)
- [Genetic Predisposition to Disease](#)
- [Hermanski-Pudlak Syndrome](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Malignant melanoma](#)
- [Melanoma](#)
- [Multiple Sclerosis](#)
- [Neoplasm Metastasis](#)
- [Prostate cancer](#)
- [Prostatic Hyperplasia](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Skin Neoplasms](#)
- [Urinary Bladder Neoplasms](#)
- [Vitiligo](#)

- [Werner syndrome](#)