

## Recombinant Human TYR Protein, MYC/DDK-tagged

Cat. No. TYR-2965H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human TYR protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Form</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Molecular Mass</b>	58.3 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method

### GENE INFORMATION

**Gene Name** TYR tyrosinase (oculocutaneous albinism IA) [ Homo sapiens ]

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<b>Official Symbol</b>	TYR
<b>Synonyms</b>	ATN; CMM8; OCA1; OCA1A; OCAIA; SHEP3
<b>Gene ID</b>	7299
<b>mRNA Refseq</b>	NM_000372
<b>Protein Refseq</b>	NP_000363
<b>MIM</b>	606933
<b>UniProt ID</b>	P14679

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