

Recombinant Human tyrosinase Protein, His tagged

Cat. No. TYR-13H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Human tyrosinase (affected in oculocutaneous albinism IA) (TYR), His19-Phe320, with N-terminal His tag, expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	19-320 aa
Description	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.
Tag	N-His
Molecular Mass	34.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Notes	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

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Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Storage Buffer	50 mM Tris-HCl, pH 8.0, 8 M urea
Concentration	> 0.05 µg/µL as determined by microplate BCA method

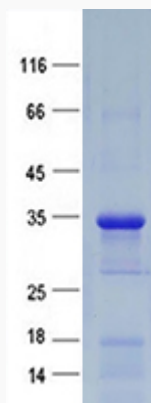
GENE INFORMATION

Gene Name	TYR tyrosinase [Homo sapiens (human)]
Official Symbol	TYR
Synonyms	TYR; tyrosinase; ATN; CMM8; OCA1; OCA1A; OCAIA; SHEP3; tyrosinase; LB24-AB; SK29-AB; monophenol monooxygenase; oculocutaneous albinism IA; tumor rejection antigen AB; EC 1.14.18.1
Gene ID	7299
mRNA Refseq	NM_000372
Protein Refseq	NP_000363
MIM	606933
UniProt ID	P14679

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SDS-PAGE

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