

# Recombinant Human TYR Protein, MYC/DDK-tagged, C13 and N15-labeled

**Cat. No.** TYR-238H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	TYR MS Standard C13 and N15-labeled recombinant protein (NP_000363) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<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. [provided by RefSeq, Oct 2008]
<b>Molecular Mass</b>	60.39 kDa
<b>AA Sequence</b>	<pre> MLLAVLYCLLWSFQTSAGHFPRACVSSKNLMEKECCPPWSGDRSPCGQLSGRGS CQNILLSNAPLGPQFPFTGVDDRESWPSVVFYNRTCQCSGNFMGFNCGNCKFGFW GPNCTERRLLVRRNIFDLSAPEKDKFFAYLTLAKHTISSDYVIPIGTYGQMKNGSTPM FNDINIYDLFVWMHYVSM DALLGGSEIWRDIDFAHEAPAFLPWHRLFLLRWEQEIQ KLTGDENFTIPYWDWRDAEKCDICTDEYMGGQHPTNP NLLSPASFFSSWQIVCSRL EEYN SHQSLCNGTPEGPLRRNPGNHDKSRT PRLPSSADVEFCLSLTQYESGSM DK AANFSFRNTLEGFASPLTGIADASQSSMHNALHIYMN GTMSQVQGSANDPIFLLHHA </pre>

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FVDSIFEQWLRRHRPLQEVPYPEANAPIGHNRESYMPFIPLYRNGDFFISSKDLGYD  
 YSYLQDSDPDSFQDYIKSYLEQASRIWSWLLGAAMVGAVLTALLAGLVSLLCRHKRK  
 QLPEEKQPLLMEKEDYHSLYQSHLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

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

**Official Symbol** TYR

**Synonyms** TYR; tyrosinase (oculocutaneous albinism IA); tyrosinase; OCAIA; LB24-AB; SK29-AB; monophenol monooxygenase; tumor rejection antigen AB; CMM8; OCA1A; SHEP3;

**Gene ID** 7299

**mRNA Refseq** NM\_000372

**Protein Refseq** NP\_000363

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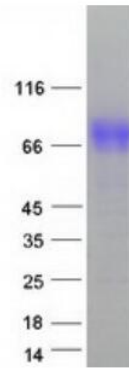
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**MIM** 606933

**UniProt ID** P14679

**SDS-PAGE**



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