

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

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

SPECIFICATION

Product Overview	TYR MS Standard C13 and N15-labeled recombinant protein (NP_000363) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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. [provided by RefSeq, Oct 2008]
Molecular Mass	60.39 kDa
AA Sequence	MLLAVLYCLLSFQTSAGHFPRACVSSKNLMEKECCPPWSGDRSPCGQLSGRGS CQNILLSNAPLGPQFPFTGVDDRESWPSVFYNRTCQCSGNFMGFNCGNCKFGFW GPNCTERRLLVRRNIFDLSAPEKDKFFAYLTLAKHTISSDYVIPIGTYGQMKNGSTPM FNDINIYDLFVWMHYVVSMDALLGGSEIWRDIDFAHEAPAFLPWHRLFLLRWEQEIQ KLTGDENFTIPYWDWRDAEKCDICTDEYMGGQHPTNPNULLSPASFFSSWQIVCSRL EEYNSHQSLCNGTPEGPLRRNPGNHDKSRTPLRPSSADVEFCLSLTQYESGSMKD AANFSFRNTLEGFASPLTGIADASQSSMHNALHIYMNGTMSQVQGSANDPIFLLHHA

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FVDSIFEQWLRRHRPLQEVYPEANAPIGHNRESYMVPFIPLYRNGDFFISSKDLGYD
 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; OCA1A; 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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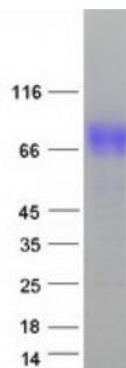
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MIM 606933

UniProt ID P14679

SDS-PAGE



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