

Recombinant Full Length Human TYR Protein, Flag tagged

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

SPECIFICATION

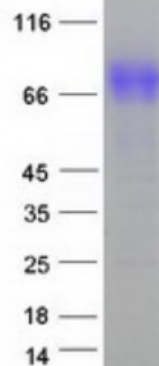
Product Overview	Purified recombinant protein of Homo sapiens tyrosinase (affected in Oculocutaneous Albinism IA) (TYR) with C-Flag tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	1-529 aa
Description	The enzyme encoded by this gene catalyzes the first 2 steps, and at least 1 subsequent 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.
Form	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Molecular Mass	60.4 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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Storage	Store at -80 centigrade. Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Concentration	>0.05 µg/µL as determined by microplate BCA method
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
MIM	606933
UniProt ID	P14679
Activity	

SDS-PAGE

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