

Product datasheet for **TP321797M**

Tyrosinase (TYR) (NM_000372) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens tyrosinase (affected in Oculocutaneous Albinism IA) (TYR), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC221797 representing NM_000372 Red =Cloning site Green =Tags(s)

MLLAVLYCLLWSFQTSAGHFPRACVSSKNLMEKECCPPWSGDRSPCGQLSGRGSCQNILLSNAPLGPQFP
FTGVDDRESWPSVFYVRTCCSGNFMGFNCGNCKFGFWGPNCTERRLLVRRNIFDLSAPEKDKFFAYLTL
AKHTISSDYVPIGTYGQMKNGSTPMFNDINIYDLFVWMHYVVSMDALLGGSEIWRDIDFAHEAPFLPW
HRLFLLRWEQEIQKLTGDENFTIPYWDWRDAEKCDICTDEYMGQHPNPNLLSPASFFSSWQIVCSRLE
EYNHQSLCNGTPEGPLRRNPGNHDKSRTPRLPSSADVEFCLSLTQYESGSMDKAANFSFRNTLEGFASP
LTGIADASQSSMHNALHIYMNGTMSQVQGSANDPIFLLHAFVDSIFEQWLRHRPLQEVYPEANAPIGH
NRESYMVPIPLYRNGDFFISSKDLGYDYSYLQSDPDSFQDYIKSYLEQASRIWSWLLGAAMVGAULTA
LLAGLVSLLCRHKRQKLPPEEKQPLLMEKEDYHSLSYQSHL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

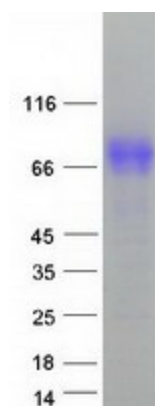
Tag:	C-Myc/DDK
Predicted MW:	58.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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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.
RefSeq:	NP_000363
Locus ID:	7299
UniProt ID:	P14679 , L8B082
RefSeq Size:	1964
Cytogenetics:	11q14.3
RefSeq ORF:	1587
Synonyms:	ATN; CMM8; OCA1; OCA1A; OCAIA; SHEP3
Summary:	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]
Protein Families:	Transmembrane
Protein Pathways:	Melanogenesis, Metabolic pathways, Riboflavin metabolism, Tyrosine metabolism

Product images:



Coomassie blue staining of purified TYR protein (Cat# [TP321797]). The protein was produced from HEK293T cells transfected with TYR cDNA clone (Cat# [RC221797]) using MegaTran 2.0 (Cat# [TT210002]).