

Product datasheet for **TP762332**

Tyrosinase (TYR) (NM_000372) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human tyrosinase (affected in oculocutaneous albinism IA) (TYR), His19-Phe320, with N-terminal His tag, expressed in E.coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding the region(His19-Phe320) of TYR
Tag:	N-His
Predicted MW:	34.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50 mM Tris-HCl, pH 8.0, 8 M urea
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 after receiving vials.
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



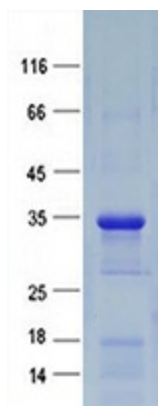
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Summary: The enzyme encoded by this gene catalyzes the first 2 steps, and at least 1 subsequent step, in the conversion of tyrosine to melanin. The enzyme has both tyrosine hydroxylase and dopa oxidase catalytic activities, and requires copper for 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:



Purified recombinant protein TYR was analyzed by SDS-PAGE gel and Coomassie Blue Staining.