

Recombinant Mouse Tyrp1 Protein, Myc/DDK-tagged

Cat. No. Tyrp1-6760M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length tyrosinase-related protein 1 (Tyrp1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Plays a role in melanin biosynthesis. Catalyzes the oxidation of 5,6-dihydroxyindole-2-carboxylic acid (DHICA) into indole-5,6-quinone-2-carboxylic acid. May regulate or influence the type of melanin synthesized. Also to a lower extent, capable of hydroxylating tyrosine and producing melanin.
Molecular Mass	61.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Tyrp1 tyrosinase-related protein 1 [Mus musculus (house mouse)]
Official Symbol	Tyrp1
Synonyms	TYRP1; tyrosinase-related protein 1; 5,6-dihydroxyindole-2-carboxylic acid oxidase; TRP; catalase B; DHICA oxidase; brown locus protein; iris stromal atrophy; tyrosinase related protein; b; isa; TRP1; Tyrp; TRP-1; brown
Gene ID	22178
mRNA Refseq	NM_031202
Protein Refseq	NP_112479
UniProt ID	P07147

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