

## Recombinant Mouse Tyrp1 Protein, His-tagged

**Cat. No.** TYRP1-17676M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse TYRP1 Protein with a His tag was expressed in HEK293.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	52.1 kDa
<b>AA Sequence</b>	<p>QFPRECANIEALRRGVCCPDLLPSSGPGTDPCGSSSSGRGRCVAVIADSRPHSRHYP            HDGKDDREAWPLRFFNRTCQCNDNFSGHNCGTCPGWRGAACNQKILTVRRNLL            DLSPEEKSHFVRALDMAKRTTHPQFVIATRRELDILGPDGNTQPENISVYNYFVWT            HYYSVKKTFLGTGQESFGDVDFSHEGPAFLTWHRYHLLQLERDMQEMLQEPSFSL            PYWNFATGKNVCDVCTDDLMGSRSNFDSTLISPNSVFSQWRVVCESLEEYDTLGT            CNSTEGGPIRRNPAGNVGRPAVQRLPEPQDVTQCLEVRVFDTPPFYSNSTDSFRNT            VEGYSAPTGKYDPAVRSLHNLHLFLNGTGGQTHLSPNDPIFVLLHTFTDAVFDEWL            RRYNADISTFPLENAPIGHNRYNMVPPVNTNEMFVTAPDNLGYAYEVQWPG            QEFTVSEHHHHHH</p>
<b>Purity</b>	> 90% by SDS-PAGE

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<b>Storage</b>	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
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<b>Concentration</b>	0.78 mg/mL
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<b>Storage Buffer</b>	BS, pH 7.4
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## GENE INFORMATION

<b>Gene Name</b>	Tyrp1 tyrosinase-related protein 1 [ Mus musculus (house mouse) ]
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<b>Official Symbol</b>	Tyrp1
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<b>Synonyms</b>	Tyrp1; tyrosinase-related protein 1; b; Oc; TR; Ty; isa; Oca3; TRP1; Tyrp; TRP-1; brown; 5,6-dihydroxyindole-2-carboxylic acid oxidase; DHICA oxidase; brown locus protein; catalase B; iris stromal atrophy; EC 1.14.18.-
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<b>Gene ID</b>	22178
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<b>mRNA Refseq</b>	NM_031202
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<b>Protein Refseq</b>	NP_112479
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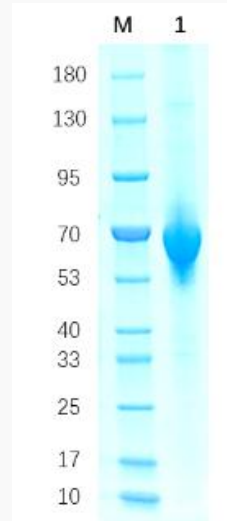
<b>UniProt ID</b>	P07147
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**SDS-PAGE**



Reducing 12% SDS-PAGE analysis profile of purified TYRP1 (CBB stained)

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