

Recombinant Mouse Tyrp1 Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Mouse TYRP1 Protein with a His tag was expressed in HEK293.
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	52.1 kDa
AA Sequence	QFPRECANIEALRRGVCCPDLLPSSGPGTDPCGSSSGRGRCVAVIADSRPHSRHYP HDGKDDREAWPLRFFNRTCQCNDNFSGHNCGTCPGWRGAACNQKILTVRRNLL DLSPEEKSHFVRALDMAKRTTHPQFVIATRRLEDILGPDGNTQPENISVYNYFVWT HYYSVKKTFLGTGQESFGDVDFSHEGPAFLTWHRYHLLQLERDMQEMLQEPSFSL PYWNFATGKNVCDVCTDDLMGSRSNFDSTLISPNSVFSQWRVVCESLEEYDTLGTL CNSTEGGPIRRNPAGNVGRPAVQRLPEPQDVTQCLEVRVFDTPPFYSNSTDSFRNT VEGYSAPTGKYDPAVRSLHNLHLFLNGTGGQTHLSPNDPIFVLLHTFTDAVFDEWL RRYNADISTFPLENAPIGHNRRQYNMVPFWPPVTNTEMFVTAPDNLGYAYEVQWPG QEFTVSEHHHHHH
Purity	> 90% by SDS-PAGE

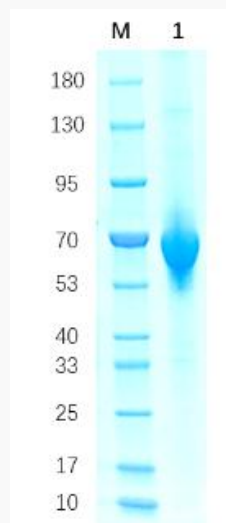
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 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	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.
Concentration	0.78 mg/mL
Storage Buffer	BS, pH 7.4
GENE INFORMATION	
Gene Name	Tyrp1 tyrosinase-related protein 1 [Mus musculus (house mouse)]
Official Symbol	Tyrp1
Synonyms	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.-
Gene ID	22178
mRNA Refseq	NM_031202
Protein Refseq	NP_112479
UniProt ID	P07147

SDS-PAGE



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

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