

# Recombinant Mouse TYRP1 Protein, His-tagged

**Cat. No.** TYRP1-130M    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse TYRP1 Protein, fused to His-tag, was expressed in HEK293.                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Description</b>      | This gene encodes a melanosomal enzyme that belongs to the tyrosinase family and plays an important role in the melanin biosynthetic pathway. Defects in this gene are the cause of rufous oculocutaneous albinism and oculocutaneous albinism type III.                                                                                                                                                                                                                                                     |
| <b>Form</b>             | PBS, pH 7.4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Molecular Mass</b>   | 52.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>AA Sequence</b>      | QFPRECANIEALRRGVCCPDLLPSSGPGTDPCGSSSGRGRCVAVIADSRPHSRHYP<br>HDGKDDREAWPLRFFNRTCQCNDNFSGHNCGTCRPGWRGAACNQKILTVRRNLL<br>DLSPEEKSHFVRALDMAKRTTHPQFVIATRRLLEDILGPDGNTQPQFENISVYNYFVWT<br>HYYSVKKTFLGTGQESFGDVDFSHEGPAFLTWHRYHLLQLERDMQEMLQEPSFSL<br>PYWNFATGKNVCDVCTDDLMGSRSNFDSTLISPNSVFSQWRVVCESLEEYDTLGT<br>CNSTEGGPIRRNPAGNVGRPAVQRLPEPQDVTQCLEVRVFDTPPFYSNSTDSFRNT<br>VEGYSAPTGKYDPAVRSLHNLHLFLNGTGGQTHLSPNDPIFVLLHTFTDAVFDEWL<br>RRYNADISTFPLENAPIGHNRRQYNMVPFWPPVTNTEMFVTAPDNLGYAYEVQWPG<br>QEFTVSEHHHHHH |
| <b>Purity</b>           | >90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

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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

**GENE INFORMATION**
**Gene Name**

TYRP1 tyrosinase related protein 1 [ Homo sapiens (human) ]

**Official Symbol**

TYRP1

**Synonyms**

TRP; CAS2; CATB; GP75; OCA3; TRP1; TYRP; b-PROTEIN

**Gene ID**

7306

**mRNA Refseq**

NM\_000550

**Protein Refseq**

NP\_000541

**MIM**

115501

**UniProt ID**

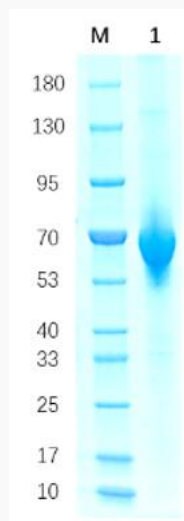
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## SDS-PAGE



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

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