

Recombinant Mouse Tyrp1 Protein, His-tagged

Cat. No. Tyrp1-1007M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Tyrp1 (Met1-Thr474) was expressed with a polyhistidine tag at the C-terminus.
Species	Mouse
Source	Insect Cells
ProteinLength	1-474 a.a.
Predicted N Terminal	Gln 25
Form	Lyophilized from sterile 20 mM Tris, 500 mM NaCl, 10 % glycerol, pH 8.0, 5%~8% trehalose and mannitol.
Molecular Mass	The recombinant mouse Tyrp1 consists 461 amino acids and predicts a molecular mass of 52.4 kDa.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [Tyrp1 tyrosinase-related protein 1 \[Mus musculus \]](#)

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](#)

MIM

UniProt ID

Pathway

Melanogenesis, organism-specific biosystem; Melanogenesis, conserved biosystem; Metabolic pathways, organism-specific biosystem; Tyrosine metabolism, organism-specific biosystem; Tyrosine metabolism, conserved biosystem;

Function

copper ion binding; metal ion binding; monooxygenase activity; oxidoreductase activity; oxidoreductase activity, acting on paired donors, with incorporation or reduction of molecular oxygen, another compound as one donor, and incorporation of one atom of

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