

## Recombinant Human TYRP1 Protein, His-tagged

Cat. No. TYRP1-512H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human TYRP1 (P17643) extracellular domain (Met 1- Arg 471) was fused with a polyhistidine tag at the C-terminus.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	1-471 a.a.
<b>Predicted N Terminal</b>	Gln 25
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
<b>Molecular Mass</b>	The secreted recombinant human TYRP1 comprises 458 amino acids and has a predicted molecular mass of 52.2 kDa. The apparent molecular mass of rh TYRP1 is approximately 66 kDa in SDS-PAGE under reducing conditions due to glycosylation.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Purity</b>	>95 % as determined by SDS-PAGE.
<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -70°C.
<b>Storage</b>	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 [ Homo sapiens ]

**Official Symbol** TYRP1

**Synonyms** TYRP1; tyrosinase-related protein 1; CAS2, TYRP; 5,6-dihydroxyindole-2-carboxylic acid oxidase; b PROTEIN; CATB; GP75; TRP; TRP1; TRP-1; catalase B; DHICA oxidase; glycoprotein 75; melanoma antigen gp75; CAS2; TYRP; b-PROTEIN;

**Gene ID** 7306

**mRNA Refseq** NM\_000550

**Protein Refseq** NP\_000541

**MIM** 115501

**UniProt ID** P17643

**Chromosome Location** 9p23

**Pathway** Direct p53 effectors, organism-specific biosystem; Melanogenesis, organism-specific biosystem; Melanogenesis, conserved biosystem; Metabolic pathways, organism-specific biosystem; Tyrosine metabolism, organism-specific biosystem; Tyrosine metabolism, conserved biosystem; ethanol degradation IV, organism-specific biosystem;

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