

## Recombinant Chicken Tyrosinase (TYR)

**Cat. No.:** AP4C686

**Product Type:** Animal Proteins

**Size:** 10 µg; 50 µg; 200 µg; 1 mg; 5 mg

### Product Overview

BioVenic's Recombinant Chicken Tyrosinase (TYR) is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 60.4 kDa. The purity is >85% (SDS-PAGE).

### Specifications

Type	Recombinant Protein
Species	Chicken
Expression System	<i>E.coli</i>
Purity	>85% (SDS-PAGE)
Predicted Molecular Weight	60.4 kDa
Physical State	Lyophilized
Formulation	Tris/PBS-based buffer, 5%-50% glycerol.

### Target Information

Chicken Tyrosinase (TYR) is a critical enzyme involved in melanin synthesis, playing a key role in determining the color of feathers, skin, and other pigmented tissues. It catalyzes the conversion of tyrosine to melanin, influencing the expression of black (eumelanin) and red (pheomelanin) pigments. In chickens, TYR is highly expressed in melanocytes, where it is essential for the functional development of these cells and the rate of melanin production. Mutations in the TYR gene, such as insertions of retroviral sequences, can lead to phenotypes like recessive white plumage.

Protein	Chicken Tyrosinase (TYR)
Protein Synonym	Monophenol monooxygenase; TYR
Gene ID	<a href="#">373971</a>
EC No.	<a href="#">P55024</a>

### Shipping and Storage

This product is shipped with ice packs. Lyophilized protein can be stored at -80°C for 1 year. After reconstitution, the protein solution can be stored at 2-8°C for 2-7 days.

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## **User Note**

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in deionized sterile water to a concentration of 0.1-1.0 mg/mL. Aliquot the reconstituted solution to minimize freeze-thaw cycles.

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The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.