

## Recombinant Chicken Peroxiredoxin-1 (PRDX1)

Cat. No.: AP2C379

Product Type: Animal Proteins

Size: 20 µg; 100 µg; 1 mg

### Product Overview

BioVenic's Recombinant Chicken Peroxiredoxin-1 (PRDX1) is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 22.3 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	22.3 kDa
Physical State	Lyophilized
Formulation	Tris/PBS-based buffer, 5%-50% glycerol.

### Target Information

Chicken peroxiredoxin-1 (PRDX1) is an antioxidant enzyme neutralizing reactive oxygen species (ROS). In chickens, it protects cells from oxidative damage during growth, infection, and heat stress. PRDX1 enhances immune function and egg production. Its study informs nutritional interventions to boost antioxidant capacity and poultry productivity in high-stress environments.

Protein	Chicken Peroxiredoxin-1 (PRDX1)
Protein Synonym	Thioredoxin-dependent peroxiredoxin 1; PRDX1
Gene ID	<a href="#">424598</a>
UniProt ID	<a href="#">P0CB50</a>

### Shipping and Storage

This product is shipped with ice packs. Lyophilized protein can be stored at -20°C for 1 year. After reconstitution, the protein solution can be stored at 2-8°C for 2-7 days.

## User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Please reconstitute protein 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.