

Recombinant Bovine Hemoglobin Subunit Alpha (HBA), N-His

Cat. No.: AP7F134

Product Type: Animal Proteins

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

Product Overview

BioVenic's Recombinant Bovine Hemoglobin Subunit Alpha (HBA), N-His is a recombinant protein expressed from *E.coli* expression system. Its predicted molecular weight is 18.8 kDa. The purity is greater than 95% (SDS-PAGE). The endotoxin level is <1 EU/µg (LAL). It can be used as a positive control or as an immunogen.

Specifications

Type	Recombinant Protein
Species	Bovine
Expression System	<i>E.coli</i>
Purity	>95% (SDS-PAGE)
Endotoxin	<1 EU/µg (LAL)
Predicted Molecular Weight	18.8 kDa
Molecular Weight	19 kDa
Physical State	Lyophilized
Formulation	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.

Target Information

Hemoglobin subunit alpha is involved in oxygen transport from the lung to the various peripheral tissues. In bovine, it is encoded by the *HBA* gene.

Protein	Bovine Hemoglobin Subunit Alpha (HBA)
Protein Synonym	Hemoglobin subunit alpha; HBA; Alpha-globin; Hemoglobin alpha chain
Gene ID	100140149
UniProt ID	P01966

Shipping and Storage

This product is shipped with dry ice. Avoid repeated freezing and thawing. Store for 4 weeks at 2-8°C, for 12 months at -80°C.

User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in 10 mM PBS (pH 7.4) to a concentration of 0.1-1.0 mg/mL. Aliquote the reconstituted solution to minimise freeze-thaw cycles.

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.