

Native Human Hb Protein

Cat. No. Hb-001H Lot. No. (See product label)

SPECIFICATION

Product Overview	Native human hemoglobin protein was purified from red blood cells. CAS: Number 9008-02-0
Species	Human
Source	Red Blood Cells
Description	Hemoglobin (American) or haemoglobin (British) abbreviated Hb or Hgb, is the iron-containing oxygen-transport metalloprotein in the red blood cells (erythrocytes) of almost all vertebrates (the exception being the fish family Channichthyidae) as well as the tissues of some invertebrates. Haemoglobin in the blood carries oxygen from the lungs or gills to the rest of the body (i.e. the tissues). There it releases the oxygen to permit aerobic respiration to provide energy to power the functions of the organism in the process called metabolism. A healthy individual has 12 to 16 grams of haemoglobin in every 100 ml of blood.
Form	Lyophilized Red-brown powder Solubility: Clear, red-brown solution (1 mg/mL H ₂ O)
Molecular Mass	64,400, (Heterotetramer - $\alpha_2\beta_2$)
Purity	> 96% (SDS-PAGE).
Notes	This preparation is predominately methemoglobin.

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Storage	At 2-8 centigrade.
Concentration	> 0.7 mg Hemoglobin/mg solid (Cyanomethemoglobin)
Storage Buffer	Lyophilized powder with buffer salts
Reconstitution	Clear, red-brown solution (1 mg/mL H ₂ O)

GENE INFORMATION

Synonyms	Hb, Hgb, Haemoglobin
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