

HP

Native Cynomolgus Monkey Haptoglobin

Catalog No. CNK101A **Quantity:** 1.0 mg

Description: Haptoglobin functions to bind free plasma hemoglobin, which allows degradative enzymes to gain access to the hemoglobin, while at the same time preventing loss of iron through the kidneys and protecting the kidneys from damage by hemoglobin. Mutations in this gene and/or its regulatory regions cause ahaptoglobinemia or hypohaptoglobinemia. In humans, this gene has also been linked to diabetic nephropathy, the incidence of coronary artery disease in type 1 diabetes, Crohn's disease, inflammatory disease behavior, primary sclerosing cholangitis, susceptibility to idiopathic Parkinson's disease, and a reduced incidence of Plasmodium falciparum malaria.

Source: *Macaca fascicularis* plasma

Molecular Weight: 86 kDa

Formulation: Lyophilized from a salt free solution.

Purity: >95% by SDS-PAGE analysis

Extinction Coefficient: $E^{0.1\%}_{280nm} = 1.2$

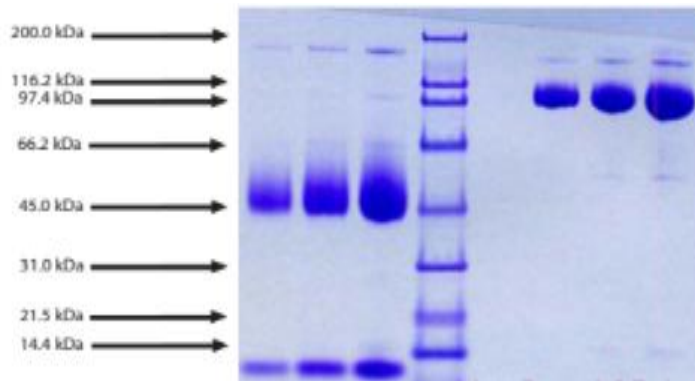
Reconstitution: **Centrifuge vial prior to opening.** Add deionized water to fully solubilize the protein at a concentration of >0.1 mg/ml.

Storage & Stability: Store at -80°C for up to 1 year. Upon reconstitution, prepare working aliquots and store at -80°C. **Avoid repeated freeze-thaw cycles.**

Country of Origin: USA

Infectious Disease Statement: Prepared from donor monkeys that have been individually tested for B-Virus (Herpes Virus Simiae) and found to be negative

SDS-PAGE: 4-12% Bis-Tris-HCl NuPAGE
non-reduced and reduced



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