

Haptoglobin, Human Plasma (Mixed Type) recombinant protein
Haptoglobin b-Chain, haptoglobin a-chain; Hp; Bp
Catalog # PBV11145r**Specification**

Haptoglobin, Human Plasma (Mixed Type) recombinant protein - Product info

Primary Accession	P00738
Calculated MW	Hp 1-1: 86 kDa; Hp 2-1: 200 kDa; Hp 2-2: 400 kDa

Haptoglobin, Human Plasma (Mixed Type) recombinant protein - Additional Info

Gene ID	3240
Gene Symbol	HP
Other Names	
Haptoglobin b-Chain, haptoglobin a-chain; Hp; Bp	
Gene Source	Human
Source	Human Plasma
Assay&Purity	SDS-PAGE; ≥95%
Assay2&Purity2	N/A;
Recombinant	No
Target/Specificity	
Haptoglobin	

Format
Lyophilized**Storage**
-20°C; Lyophilized as a salt-free solid.**Haptoglobin, Human Plasma (Mixed Type) recombinant protein - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Haptoglobin, Human Plasma (Mixed Type) recombinant protein - Images**Haptoglobin, Human Plasma (Mixed Type) recombinant protein - Background**

An acute-phase plasma protein found in human plasma at 100-300 mg per 100 ml. Binds

hemoglobin, thus preventing loss of iron through the kidneys. Humans are polymorphic for haptoglobin, with three major phenotypes: Hp 1-1, Hp 2-1, and Hp 2-2. While the phenotypic distribution can vary greatly between ethnicities and geographic location, the Hp 2-1 phenotype is the most prevalent phenotype in humans. Plasma concentrations of haptoglobin are highest in individuals with Hp 1-1, intermediate in Hp 2-1 individuals, and lowest in Hp 2-2 individuals. Hp 1-1 is the most effective at binding hemoglobin, and Hp 2-2 is the least effective. This functional difference may be associated with the frequency and severity of epilepsy attacks, as researchers have found a correlation between recurring seizures and the Hp 2-2 phenotype.

Haptoglobin, Human Plasma (Mixed Type) recombinant protein - References

van der Straten A.,et al.EMBO J. 2:1003-1007(1983).
Yang F.,et al.Proc. Natl. Acad. Sci. U.S.A. 80:5875-5879(1983).
van der Straten A.,et al.FEBS Lett. 168:103-107(1984).
Brune J.L.,et al.Nucleic Acids Res. 12:4531-4538(1984).
Bensi G.,et al.EMBO J. 4:119-126(1985).