

Recombinant Human HP

Catalog No: #GP10484



Package Size: #GP10484-1 100ug

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Description

Product Name	Recombinant Human HP
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 162-406 amino acids of human haptoglobin
Target Name	haptoglobin
Other Names	BP, HPA1S, HP2ALPHA2
Accession No.	Swissprot:P00738Gene Accession:BC121125
Uniprot	P00738
GeneID	3240;
Storage	-20~-80°C, pH 7.6 PBS

Background

This gene encodes a preproprotein, which is processed to yield both alpha and beta chains, which subsequently combine as a tetramer to produce haptoglobin. 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. 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. A similar duplicated gene is located next to this gene on chromosome 16. Multiple transcript variants encoding different isoforms have been found for this gene.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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