

Native Human Hemoglobin

Cat. No. Hb-197H Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified Native Human Red Blood Cells Hemoglobin. CAS Number: 9008-02-0
Species	Human
Source	Human Red Blood Cells
Description	Hemoglobin the main component of red blood cells, is a protein that carries oxygen away from the lungs and carbon dioxide back to the lungs. A molecule consists of 2 pairs of peptide (alpha and beta globins) chains and four heme groups, each with one atom of iron. At a normal oxygen tension of 100 mmHg in the blood vessels of the lungs, 95-98% of hemoglobin is combined with oxygen. In the tissues further from the lungs, where the oxygen tension is much lower, the oxygen readily separates from hemoglobin.
Form	Lyophilized powder
Purity	>=96% (SDS-PAGE)
Storage	Store at -20°C. Long-Term, 2-8°C Short-Term
Concentration	>0.75 mg protein/mg

GENE INFORMATION

Gene Name	HP haptoglobin [Homo sapiens]
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Official Symbol	HP
Synonyms	HP; haptoglobin; zonulin; binding peptide; haptoglobin alpha(1S)-beta; haptoglobin alpha(2FS)-beta; haptoglobin, beta polypeptide; haptoglobin, alpha polypeptide; BP; HPA1S; HP2ALPHA2; MGC111141;
Gene ID	3240
mRNA Refseq	NM_001126102
Protein Refseq	NP_001119574
MIM	140100
UniProt ID	P00738
Chromosome Location	16q22.2
Pathway	amb2 Integrin signaling, organism-specific biosystem;
Function	catalytic activity; hemoglobin binding; serine-type endopeptidase activity;

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