

Native Human Hemoglobin S, Ferrous Stabilized

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

SPECIFICATION

Product Overview	Solubility H₂O: soluble 20 mg/mL Suitability Suitable for electrophoresis and chromatography standard (has not been tested for functional equivalence against native preparations (unlyophilized ferrous hemoglobins).)
Species	Human
Source	Human Plasma
Description	The alpha (HBA) and beta (HBB) loci determine the structure of the 2 types of polypeptide chains in adult hemoglobin, Hb A. The normal adult hemoglobin tetramer consists of two alpha chains and two beta chains. Mutant beta globin causes sickle cell anemia. Absence of beta chain causes beta-zero-thalassemia. Reduced amounts of detectable beta globin causes beta-plus-thalassemia. The order of the genes in the beta-globin cluster is 5'-epsilon -- gamma-G -- gamma-A -- delta -- beta--3'.
Form	Lyophilized powder
Applications	Hemoglobin S was used in the determination of fetal hemoglobin by time-resolved immunofluorometric assay.
Storage	At -20 centigrade.

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Reconstitution When reconstituted with buffer, gives >90% ferrous hemoglobin.

GENE INFORMATION

Gene Name [HBB](#)

Official Symbol [HBB hemoglobin subunit beta \[Homo sapiens \(human\) \]](#)

Synonyms Sick cell hemoglobin; HBB; hemoglobin subunit beta; CD113t-C; beta-globin; hemoglobin subunit beta; beta globin chain; hemoglobin, beta

Gene ID [3043](#)

mRNA Refseq [NM_000518](#)

Protein Refseq [NP_000509](#)

MIM [141900](#)

UniProt ID [P68871](#)

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