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.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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

GENE INFORMATION

Gene Name	HBB
Official Symbol	HBB hemoglobin subunit beta [Homo sapiens (human)]
Synonyms	Sickle 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

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA