

Recombinant Human HBB Protein, Myc/DDK-tagged

Cat. No. HBB-01H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human hemoglobin, beta (HBB) with a C-Myc/DDK tag was expressed in HEK293T.
Species	Human
Source	HEK293
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'.
Molecular Mass	15.8 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

GENE INFORMATION

Gene Name HBB hemoglobin subunit beta [Homo sapiens (human)]

Official Symbol HBB

Synonyms HBB; hemoglobin subunit beta; ECYT6; CD113t-C; beta-globin; hemoglobin subunit beta; beta globin chain; hemoglobin beta subunit; hemoglobin, beta

Gene ID 3043

mRNA Refseq NM_000518

Protein Refseq NP_000509

MIM 141900

UniProt ID P68871

SDS-PAGE



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