

Recombinant Full Length Human HBB Protein, C-Flag-tagged

Cat. No. HBB-181HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human HBB Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	15.8 kDa
AA Sequence	MVHLTPEEKSAVTALWGKVNDEVGGEALGRLLVVYPWTQRFFESFGDLSTPDAV MGNPKVKAHGKKVLG AFSDGLAHLDNLKGTFATLSELHCDKLHVDPENFRLLGNVL VCVLAHHFGKEFTPPVQAAYQKVVAGVAN ALAHKYHTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.

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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 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

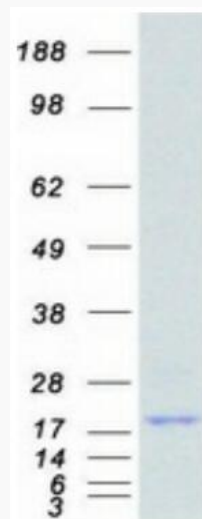
GENE INFORMATION

Gene Name	HBB hemoglobin subunit beta [Homo sapiens (human)]
Official Symbol	HBB
Synonyms	ECYT6; CD113t-C; beta-globin
Gene ID	3043
mRNA Refseq	NM_000518.5
Protein Refseq	NP_000509.1
MIM	141900
UniProt ID	P68871

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Coomassie blue staining of purified HBB protein.

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