

Recombinant Human HBB Protein, GST-tagged

Cat. No. HBB-4596H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HBB full-length ORF (BAG34767.1, 1 a.a. - 147 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq]
Molecular Mass	42.4 kDa
AA Sequence	MVHLTPEEKSAVTALWGKVNVDVGGGEALGRLLVVYPWTQRFFESFGDLSTPDAV MGNPKVKAHGKKVLGAFSDGLAHLNKLKGTFTLSELHCDKLHVDPENFRLLGNVL VCVLAHHFGKEFTPPVQAAYQKVVAGVANALAHKYH
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array

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Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	HBB hemoglobin, beta [Homo sapiens]
Official Symbol	HBB
Synonyms	HBB; hemoglobin, beta; hemoglobin subunit beta; beta globin; CD113t C; HBD; beta globin chain; hemoglobin beta chain; CD113t-C; beta-globin;
Gene ID	3043
mRNA Refseq	NM_000518
Protein Refseq	NP_000509
UniProt ID	P68871

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