

Recombinant Full Length Human HBG1 Protein, C-Flag-tagged

Cat. No. HBG1-62HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human HBG1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	The gamma globin genes (HBG1 and HBG2) are normally expressed in the fetal liver, spleen and bone marrow. Two gamma chains together with two alpha chains constitute fetal hemoglobin (HbF) which is normally replaced by adult hemoglobin (HbA) at birth. In some beta-thalassemias and related conditions, gamma chain production continues into adulthood. The two types of gamma chains differ at residue 136 where glycine is found in the G-gamma product (HBG2) and alanine is found in the A-gamma product (HBG1). The former is predominant at birth. 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	15.9 kDa
AA Sequence	MGHFTEEDKATITSLWGKVNVEDAGGETLGRLLVVYPWTQRFFDSFGNLSSASAIM GNPKVKAHGKKVLT SLGDAIKHLDDLKGTFAQLSELHCDKLHVDPENFKLLGNVLVT VLAIHFGKEFTPEVQASWQKMVTGVAS ALSSRYHTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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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 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.

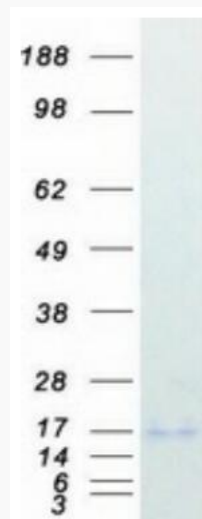
GENE INFORMATION

Gene Name	HBG1 hemoglobin subunit gamma 1 [Homo sapiens (human)]
Official Symbol	HBG1
Synonyms	HBGA; HBGR; HBG-T2; HSGGL1; PRO2979
Gene ID	3047
mRNA Refseq	NM_000559.3
Protein Refseq	NP_000550.2
MIM	142200
UniProt ID	P69891

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Coomassie blue staining of purified HBG1 protein.

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