

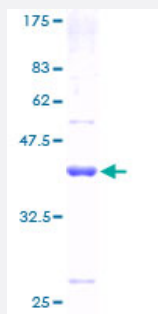
Full-Length

HBG1 (Human) Recombinant Protein (P01)

Catalog # H00003047-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human HBG1 full-length ORF (AAH10913, 1 a.a. - 147 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MGHFTTEEDKATITSLWGKVNVEDAGGETLGRLLVVYPWTQRFFDSFGNLSSASAVMGNPVKVKA HGKKVLTSLGDAIKHLDDLKGTFAQLSELHCDKLHVDPENFKLLGNVLVTVLAHFGKEFTPEVQA SWQKMVTGVASALSSRYH
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	41.91
Interspecies Antigen Sequence	Rat (74)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — HBG1

Entrez GeneID [3047](#)

GeneBank Accession# [BC010913](#)

Protein Accession# [AAH10913](#)

Gene Name HBG1

Gene Alias HBGA, HBGR, HSGGL1, PRO2979

Gene Description hemoglobin, gamma A

Omim ID [142200](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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 (Hb F) 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'. [provided by RefSeq]

Other Designations A-gamma globin|gamma A hemoglobin|gamma globin|hemoglobin gamma-a chain|hemoglobin, gamma, regulator of

Disease

- [beta-Thalassemia](#)