

Recombinant Human HBA1 Protein, GST-tagged

Cat. No. HBA1-4594H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HBA1 partial ORF (NP_000549, 33 a.a. - 142 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	The human alpha globin gene cluster located on chromosome 16 spans about 30 kb and includes seven loci: 5- zeta - pseudozeta - mu - pseudoalpha-1 - alpha-2 - alpha-1 - theta - 3. The alpha-2 (HBA2) and alpha-1 (HBA1) coding sequences are identical. These genes differ slightly over the 5 untranslated regions and the introns, but they differ significantly over the 3 untranslated regions. Two alpha chains plus two beta chains constitute HbA, which in normal adult life comprises about 97% of the total hemoglobin; alpha chains combine with delta chains to constitute HbA-2, which with HbF (fetal hemoglobin) makes up the remaining 3% of adult hemoglobin. Alpha thalassemias result from deletions of each of the alpha genes as well as deletions of both HBA2 and HBA1; some nondeletion alpha thalassemias have also been reported. [provided by RefSeq]
Molecular Mass	37.84 kDa
AA Sequence	MFLSFPTTKTYFPHFDLSHGSAQVKGHGKKVADALTNAVAHVDDMPNALSALSDLH AHKLRVDPVNFKLLSHCLLVTLAAHLPAEFTPAVHASLDKFLASVSTVLTSKYR
Applications	Enzyme-linked Immunoabsorbent Assay

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

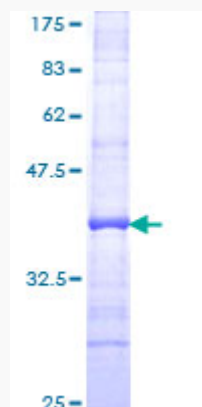
	Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	HBA1 hemoglobin, alpha 1 [Homo sapiens]
Official Symbol	HBA1
Synonyms	HBA1; hemoglobin, alpha 1; hemoglobin subunit alpha; alpha-globin; alpha-1 globin; alpha-1-globin; alpha one globin; hemoglobin alpha chain; hemoglobin alpha-1 chain; hemoglobin alpha 1 globin chain; HBH; CD31; MGC126895; MGC126897;
Gene ID	3039
mRNA Refseq	NM_000558
Protein Refseq	NP_000549
UniProt ID	P69905

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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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