

## Recombinant Full Length Human HBA2 Protein, GST-tagged

Cat. No. HBA2-3490HF Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human HBA2 full-length ORF ( AAH05931, 1 a.a. - 142 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	142 amino acids
<b>Description</b>	<p>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</p>
<b>Molecular Mass</b>	41.36 kDa
<b>AA Sequence</b>	MVLSPADKTNVKAAWGKVGAGHAGEYGAEALERMFLSFPTTKTYFPHFDLSHGSAQ VKGHGKQVADALNAVAHVDDMPNALSALSDLHAHKLRVDPVNFKLLSHCLLVTLAA

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HLPAEFTPAVHASLDKFLASVSTVLTSKYR

**Applications**

Enzyme-linked Immunoabsorbent Assay  
 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**

[HBA2 hemoglobin, alpha 2 \[ Homo sapiens \]](#)

**Official Symbol**

[HBA2](#)

**Synonyms**

HBA2; hemoglobin, alpha 2; hemoglobin subunit alpha; alpha globin; alpha-globin; alpha-2 globin; hemoglobin alpha chain; HBH;

**Gene ID**

[3040](#)

**mRNA Refseq**

[NM\\_000517](#)

**Protein Refseq**

[NP\\_000508](#)

**MIM**

[141850](#)

**UniProt ID**

[P69905](#)

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