

Recombinant Human HBA2 protein, His-tagged

Cat. No. HBA2-43H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human HBA2(1-142aa) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-142 a.a.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 20% glycerol, 2M urea, 2mM DTT
Molecular Mass	19.5 kDa (179aa)
Purity	> 90% by SDS - PAGE
Storage	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	HBA2 hemoglobin, alpha 2 [Homo sapiens]
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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
Chromosome Location	16p13.3
Pathway	African trypanosomiasis, organism-specific biosystem; African trypanosomiasis, conserved biosystem; Malaria, organism-specific biosystem; Malaria, conserved biosystem; Selenium Pathway, organism-specific biosystem;
Function	contributes_to haptoglobin binding; heme binding; metal ion binding; oxygen binding; oxygen transporter activity; contributes_to peroxidase activity; protein binding;