

HBA2 recombinant protein

HBA2, 1-142aa, Human, His tag, E Coli (Denatured)

CATALOG # AAA48747	HOST E Coli	APPLICATIONS SDS-Page
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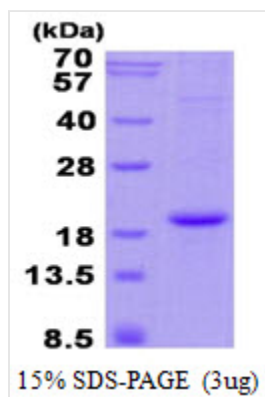
PRODUCT SYNONYMS

HBA2, 1-142aa; Human; His tag; E Coli (Denatured); Hemoglobin subunit alpha; nucleophosmin/nucleoplasmin 2; HBA2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 0.1M NaCl, 20% glycerol, 2M urea, 2mM DTT
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSBMVL SPADKTNVKA AWGKVGAGAG EYGAEALERM FLSFPTTKTY FPHFDLSHGS AQVKGHGKKV ADALTNVAH VDDMPNLSA LSDLHAHKLR VDPVNFKLLS HCLLVTLAAH LPAEFTPAVH ASLDKFLASV STVLTSKYR
Sequence Length	142
Applicable Applications for HBA2 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for HBA2 recombinant protein	Hemoglobin subunit alpha, also known as HBA2, belongs to the globin family. HBA2 is involved in oxygen transport from the lung to the various peripheral tissues. 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. Recombinant human HBA2 protein, fused to His-tag at N-terminus, was expressed in E Coli.
Product Categories/Family for HBA2 recombinant protein	Cardiovascular
References	Jorge S.B., et al. (2003) Braz. J. Med. Biol. Res. 36:1471-1474; Abdulmalik O., et al. (2004) Am. J. Hematol. 77:268-276

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504345
NCBI GeneID	3040
NCBI Accession #	NP_000508
NCBI GenBank Nucleotide #	NM_000517.4
UniProt Accession #	P69905; P01922; Q1HDT5; Q3MIF5; Q53F97; Q96KF1; Q9NYR7; Q9UCM0
Molecular Weight	19.5 kDa (179aa)
NCBI Official Full Name	hemoglobin subunit alpha
NCBI Official Synonym Full Names	hemoglobin subunit alpha 2
NCBI Official Symbol	HBA2
NCBI Official Synonym Symbols	HBH; HBA-T2
NCBI Protein Information	hemoglobin subunit alpha
UniProt Protein Name	Hemoglobin subunit alpha
UniProt Gene Name	HBA1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/hba1-recombinant-protein-e-coli-sds-page/48747>