

Product datasheet

Recombinant Human Hemoglobin subunit alpha protein (denatured) ab131697

1 Image

Description

Product name	Recombinant Human Hemoglobin subunit alpha protein (denatured)	
Purity	> 90 % SDS-PAGE. ab131697 was purified using conventional chromatography techniques.	
Expression system	Escherichia coli	
Accession	P69905	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMVL SPADKTNVKA AWGKVGAAHAG EYGAEALERM FLSFPTTKTY FPHFDLSHGS AQVKGHGKKV ADALTNAVAH VDDMPNLSA LSDLHAHKLR VDPVNFKLLS HCLLVTLAAH LPAEFTPAVH ASLDKFLASV STVLTSKYR	
Predicted molecular weight	20 kDa including tags	
Amino acids	1 to 142	
Tags	His tag N-Terminus , DDDDK tag N-Terminus	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab131697** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
	Mass Spectrometry
Mass spectrometry	MALDI-TOF
Form	Liquid

Preparation and Storage

Stability and Storage

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00

Constituents: 12.01% Urea, 0.03% DTT, 0.32% Tris HCl, 20% Glycerol, 0.58% Sodium chloride

General Info

Function

Involved in oxygen transport from the lung to the various peripheral tissues.

Tissue specificity

Red blood cells.

Involvement in disease

Heinz body anemias

Alpha-thalassemia

Alpha(0)-thalassemia is associated with non-immune hydrops fetalis, a generalized edema of the fetus with fluid accumulation in the body cavities due to non-immune causes. Non-immune hydrops fetalis is not a diagnosis in itself but a symptom, a feature of many genetic disorders, and the end-stage of a wide variety of disorders.

Hemoglobin H disease

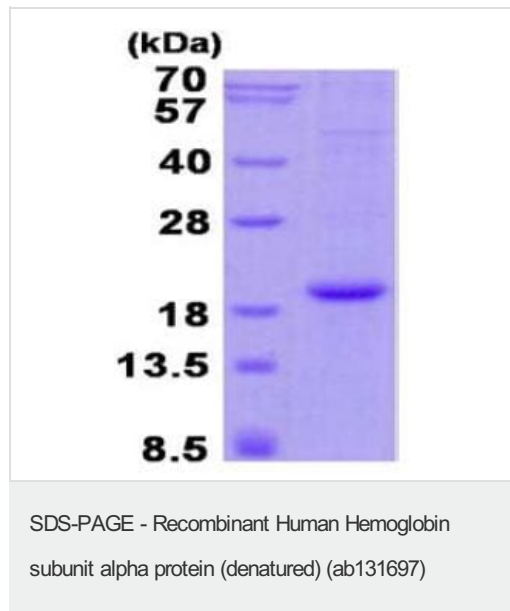
Sequence similarities

Belongs to the globin family.

Post-translational modifications

The initiator Met is not cleaved in variant Thionville and is acetylated.

Images



15% SDS PAGE analysis of 3 µg of ab131697.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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