

Datasheet for ABIN1098667 HBa2 Protein (His tag)



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1 Image

Overview

Quantity:	100 µg
Target:	HBa2
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This HBa2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Purity: > 90 % by SDS - PAGE

Target Details

Target:	HBa2
Alternative Name:	HBA2 (HBA2 Products)
Background:	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

Target Details

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.

Molecular Weight: 19.5 kDa (179aa)

NCBI Accession: [NP_000508](#)

Application Details

Comment: Synonyms: Hemoglobin subunit alpha, nucleophosmin/nucleoplasmin 2

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/ml (determined by Bradford assay)

Buffer: 20 mM Tris-HCl buffer (pH 8.0) containing 0.1 M NaCl, 20% glycerol, 2 M Urea, 2 mM DTT

Storage: 4 °C

Storage Comment: Avoid repeated freezing and thawing cycles.

Images

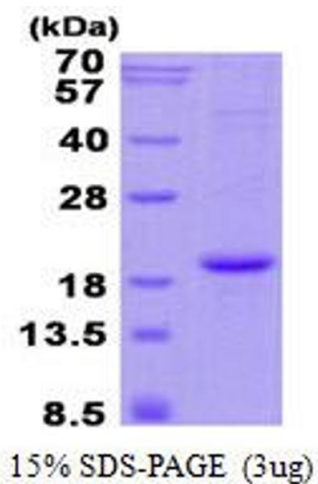


Image 1.