abcam

Product datasheet

Recombinant Human Glutaredoxin 5 protein ab95352

1 References 1 Image

Description

Product name Recombinant Human Glutaredoxin 5 protein

Purity > 85 % SDS-PAGE.

Purified using conventional chromatography techniques.

Expression system Escherichia coli

Protein length Full length protein

Animal free No

Nature Recombinant

Species Human

Sequence MGSSHHHHHH SSGLVPRGSH MSGSLGRAAA

ALLRWGRGAG GGGLWGPGVR AAGSGAGGGG SAEQLDALVK KDKVVVFLKG TPEQPQCGFS

NAVVQILRLH GVRDYAAYNV LDDPELRQGI KDYSNWPTIP

QVYLNGEFVG GCDILLQMHQ NGDLVEELKK

LGIHSALLDE KKDQDSK

Specifications

Our **Abpromise guarantee** covers the use of **ab95352** 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

Form Liquid

Preparation and Storage

Stability and Storage Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw

cycles.

pH: 8.00

Constituents: 0.316% Tris HCl, 20% Glycerol (glycerin, glycerine), 0.58% Sodium chloride

General Info

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Function Monothiol glutaredoxin involved in the biogenesis of iron-sulfur clusters. Required for normal iron

homeostasis. Required for normal regulation of hemoglobin synthesis by the iron-sulfur protein

ACO1.

Involvement in disease Defects in GLRX5 are a cause of anemia sideroblastic pyridoxine-refractory autosomal recessive

(PRARSA) [MIM:205950]. A form of sideroblastic anemia not responsive to pyridoxine. Sideroblastic anemia is characterized by anemia of varying severity, hypochromic peripheral erythrocytes, systemic iron overload secondary to chronic ineffective erythropoiesis, and the presence of bone marrow ringed sideroblasts. Sideroblasts are characterized by iron-loaded

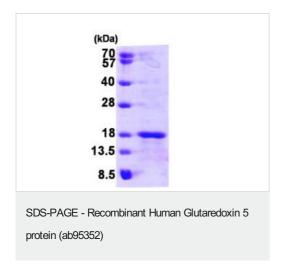
mitochondria clustered around the nucleus.

Sequence similarities Belongs to the glutaredoxin family. Monothiol subfamily.

Contains 1 glutaredoxin domain.

Cellular localization Mitochondrion.

Images



15% SDS-PAGE showing ab95352 at approximately 19 kDa (3 µg).

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