

Product datasheet

Recombinant Human S100A14 protein ab101041

1 Image

Description

Product name	Recombinant Human S100A14 protein	
Purity	> 95 % SDS-PAGE. ab101041 was purified using Ni-NTA chromatography and filtered through a 0.4 µm filter.	
Expression system	Escherichia coli	
Accession	<u>Q9HCY8</u>	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	MKHHHHHHASMGQCRSANAEDAQEFSDVERAIETLIKNF HQYSVEGGKET LTPSELRLDVTQQLPHLMPSNCGLEEKIANLGSCNDSKLE FRSFWELIGE AAKSVKLERPVRGH	
Predicted molecular weight	13 kDa including tags	
Amino acids	1 to 104	
Tags	His tag N-Terminus	

Specifications

Our **Abpromise guarantee** covers the use of **ab101041** in the following tested applications.

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

Applications	Western blot SDS-PAGE
Form	Lyophilized
Additional notes	Store lyophilized protein at -20°C. Lyophilized protein remains stable until the expiry date when stored at -20°C. This product was previously labelled as S100 calcium binding protein A14

Preparation and Storage

Stability and Storage

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

Constituents: 0.242% Tris, 0.29% Sodium chloride

Reconstitution

Add deionized water to prepare a working stock solution of approximately 0.5 mg/mL and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in cell culture.

General Info

Function

Modulates P53/TP53 protein levels, and thereby plays a role in the regulation of cell survival and apoptosis. Depending on the context, it can promote cell proliferation or apoptosis. Plays a role in the regulation of cell migration by modulating the levels of MMP2, a matrix protease that is under transcriptional control of P53/TP53. Does not bind calcium.

Tissue specificity

Expressed at highest levels in colon and at moderate levels in thymus, kidney, liver, small intestine, and lung. Low expression in heart and no expression is seen in brain, skeletal muscle, spleen, placenta and peripheral blood leukocytes.

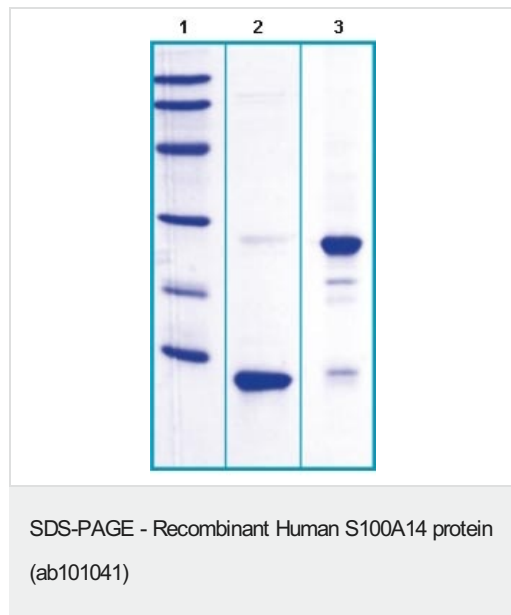
Sequence similarities

Belongs to the S-100 family.
Contains 1 EF-hand domain.

Cellular localization

Cytoplasm.

Images



14% SDS-PAGE analysis of ab101041

Lane 1: Molecular weight markers; 14, 21, 31, 45, 66, 97 kDa

Lane 2: ab101041 (reduced and heated, 5µg / lane)

Lane 3: ab101041 (non-reduced and non-heated, 5µg / lane).

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

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