

Datasheet for ABIN7551591  
**S100A14 Protein (AA 1-104) (His tag)**



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## Overview

Quantity:	1 mg
Target:	S100A14
Protein Characteristics:	AA 1-104
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This S100A14 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat S100A14 Protein expressed in mammalien cells.
Sequence:	MGQCRSANAE DAQEFSDVER AIETLIKFNH QYSVEGGKET LTPSELRLDV TQQLPHLMPS NCGLEEKIAN LGSCNSKLE FRSFWELIGE AAKSVKLERP VRGH <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b>
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalien cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul>

## Product Details

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This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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Purity: > 90 % as determined by Bis-Tris Page, Western Blot

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Grade: custom-made

## Target Details

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Target: S100A14

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Alternative Name: S100A14 ([S100A14 Products](#))

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Background: Protein S100-A14 (S100 calcium-binding protein A14) (S114),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. {ECO:0000269|PubMed:21559403, ECO:0000269|PubMed:22032898, ECO:0000269|PubMed:22451655}.

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Molecular Weight: 11.7 kDa

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UniProt: [Q9HCY8](#)

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Pathways: [Activation of Innate immune Response, S100 Proteins](#)

## Application Details

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Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

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Restrictions: For Research Use only

## Handling

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Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months