

Datasheet for ABIN7548836

**KRTAP4-2 Protein (AA 1-136) (His tag)**[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	KRTAP4-2
Protein Characteristics:	AA 1-136
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KRTAP4-2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat KRTAP4-2 Protein expressed in mammalien cells.
Sequence:	MVNSCCGSVC SDQGCLENC CRPSCCQTTT CRTTCCRPSC CVSSCCRPQC CQSVCCQPTC CSPSCCQTTT CRTTCCRPSC CVSSCFRPQC CQSVYCQPTC CRPSCGQTTT CRTTCYRPSC CVSTCCRPTC SSGSCC <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

---

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.

---

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

---

Grade:	custom-made
--------	-------------

## Target Details

---

---

Target:	KRTAP4-2
---------	----------

---

Alternative Name:	KRTAP4-2
-------------------	----------

---

Background:	Keratin-associated protein 4-2 (Keratin-associated protein 4.2) (Ultrahigh sulfur keratin-associated protein 4.2),FUNCTION: In the hair cortex, hair keratin intermediate filaments are embedded in an interfilamentous matrix, consisting of hair keratin-associated proteins (KRTAP), which are essential for the formation of a rigid and resistant hair shaft through their extensive disulfide bond cross-linking with abundant cysteine residues of hair keratins. The matrix proteins include the high-sulfur and high-glycine-tyrosine keratins.
-------------	--

---

Molecular Weight:	14.5 kDa
-------------------	----------

---

UniProt:	<a href="#">Q9BYR5</a>
----------	------------------------

## Application Details

---

---

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.
--------------------	--

---

Restrictions:	For Research Use only
---------------	-----------------------

## Handling

---

---

Format:	Liquid
---------	--------

---

## Handling

---

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