

Datasheet for ABIN7560278

Keratin Associated Protein 21-1 (KRTAP21-1) (AA 1-128) protein (His tag)



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Overview

Quantity:	1 mg
Target:	Keratin Associated Protein 21-1 (KRTAP21-1)
Protein Characteristics:	AA 1-128
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Krtap21-1 Protein expressed in mammalien cells.
Sequence:	MCCNYYGNSC GGCGYGSRYG YGCGYGSYG CGYSGYGCG YGSYGCGYG SGYGCGYGS YGCGYGSYG CGYSGYGCG YGSYGCGYG SGYGCGYGS YGCGYGSRYG CGYSGCCSY RKCYS SCC 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.

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalien cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.• State-of-the-art algorithm used for plasmid design (Gene synthesis).
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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: Keratin Associated Protein 21-1 (KRTAP21-1)

Alternative Name: Krtap21-1 ([KRTAP21-1 Products](#))

Background: Keratin-associated protein 21-1 (Keratin-associated protein 16-7) (Keratin-associated protein 16.7),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. {ECO:0000305}.

Molecular Weight: 12.5 kDa

UniProt: [Q925H4](#)

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