

Datasheet for ABIN7548838

KRTAP5-1 Protein (AA 1-278) (His tag)



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Overview

Quantity:	1 mg
Target:	KRTAP5-1
Protein Characteristics:	AA 1-278
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KRTAP5-1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant KRTAP5-1 Protein expressed in mammalian cells.
Sequence:	<p>MGCCGCSGGC GSSCGGCGSG CGGCGSGCGG CGSGCGGSGS SCCVPVCCCK PVCCRVPTCS CSSCGKGGCG SSGGSKGGCG SCGGCKGGCG SCGGSKGGCG SCGGSKGGCG SCGGSKGGCG SGCGGCGSSC CVPVCCCKPM CCCVPACSCS SCGKGGCGSC GCSKGACGSC GSKGGCGSC GGCKGGCGSC GSKGGCGSG CGGCGSGCGV PVCCSCSSC GSCAGSKGGC GSSCSQCSCC KPCCCSSGCG SSCQSSCCK PCCSQSSCCV PVCCQCKI 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.</p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian 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).

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
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Grade:	custom-made
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Target Details

Target:	KRTAP5-1
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Alternative Name:	KRTAP5-1 (KRTAP5-1 Products)
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Background:	Keratin-associated protein 5-1 (Keratin, cuticle, ultrahigh sulphur 1-like) (Keratin-associated protein 5.1) (Ultrahigh sulfur keratin-associated protein 5.1),FUNCTION: In the hair cortex, hair keratin intermediate filaments are embedded in an interfilamentous matrix, consisting of hair keratin-associated protein (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.
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Molecular Weight:	24.2 kDa
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UniProt:	Q6L8H4
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Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
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Application Details

Restrictions: For Research Use only

Handling

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