

Datasheet for ABIN7557737  
**KRT14 Protein (AA 1-484) (His tag)**



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## Overview

Quantity:	1 mg
Target:	KRT14
Protein Characteristics:	AA 1-484
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KRT14 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Krt14 Protein expressed in mammalian cells.
Sequence:	<p>MATCSRQFTS SSSMKGSCGI GGGSSRMSSI LAGGSCRAPS TYGGMSVTSS RFSSGGACGI GGGYGGSFSS SSFGGGLGSG FGGRFDGFGG GFGGGLGGGF GGGLGGGLGG GIGDGLLVGS EKVTMQNLND RLATYLDKVR ALEEANTELE VKIRDWYQRQ RPTEIKDYSP YFKTIEDLKS KILAATVDNA NVLLQIDNAR LAADDFR TKF ETEQSLRMSV EADINGLRRV LDELTLARAD LEMQIESLKE ELAYLKKNHE EEMASMRGQV GGDVNVEMDA APGVDLRIL NEMRDQYEKM AEKNRKAEE WFFSKTEELN REVATNSELV QSGKSEISEL RRTMQNLEIE LQSQLSMKAS LENNLEETKG RYCMQLAIQ EMIGSVEEQL AQLRCEMEQQ NQEYKILLDV KTRLEQEIAT YRRLLEGEDA HLSSSQFSSS SQFSSGSQSS RDVTSTNRQI RTKVMDVHDG KVVSTHEQVL RTKN</p> <p><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></p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

## Product Details

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isoform, please contact us regarding an individual offer.

### Characteristics:

#### Key Benefits:

- 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)

### Grade:

custom-made

## Target Details

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### Target:

KRT14

### Alternative Name:

Krt14 ([KRT14 Products](#))

### Background:

Keratin, type I cytoskeletal 14 (Cytokeratin-14) (CK-14) (Keratin-14) (K14),FUNCTION: The nonhelical tail domain is involved in promoting KRT5-KRT14 filaments to self-organize into large bundles and enhances the mechanical properties involved in resilience of keratin intermediate filaments in vitro. {ECO:0000250|UniProtKB:P02533}.

### Molecular Weight:

52.9 kDa

### UniProt:

[Q61781](#)

## Application Details

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### 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.

### 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