

Datasheet for ABIN7560241

Cytokeratin 5 Protein (AA 1-580) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	Cytokeratin 5 (KRT5)
Protein Characteristics:	AA 1-580
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Cytokeratin 5 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Krt5 Protein expressed in mammalian cells.
Sequence:	<p>MSRQSSVSFR SGGSRFSAA SAITPSVSRT SFSSVSRSGG GGGGRISLGG ACGAGGYGSR SLYNVGGSKR ISYSSGGGSF RNQFGAGGFG FGGGAGSGFG FGGGAGSGFG FGGGAGFGGG YGGAGFPVCP PGGIQEVTVN QNLLTPLNLQ IDPTIQRVRT EEREQIKTLN NKFASFIDKV RFLEQQNKVL DTKWALLQEQ GTKTIKQNLQ PLFEQYINNL RRQLDGVLLGE RGRLDSELRN MQDLVEDYKN KYEDEINKRT TAENEFVMLK KDVDAAYMNK VELEARVDAL MDEINFMKMF FDAELSQMQT HVSDTSVVLS MDNNRSLDLQ SIAAEVKAQY EDIANRSRTE AESWYQTKYE ELQQTAGRHG DDLRNTKHEI SEMNRMIQRL RSEIDNVKKQ CANLQNAIAE AEQRGELALK DARNKLTELE EALQKAKQDM ARLLREYQEL MNTKLALDVE IATYRKLLEG EECRLSGEGV GPVNISVVTN SVSSGYGGGS SIGVGSFGGG GLGSGFAGGL GPRFTRGGGG LGLGSGLSVG GSGFSAGSSQ GGMSFGSGGG SGSSVKFVST TSSRRSFKS 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</p>

Product Details

request, please contact us.

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:**

- 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

Target: Cytokeratin 5 (KRT5)

Alternative Name: Krt5 ([KRT5 Products](#))

Background: Keratin, type II cytoskeletal 5 (Cytokeratin-5) (CK-5) (Keratin-5) (K5) (Type-II keratin Kb5),FUNCTION: Required for the formation of keratin intermediate filaments in the basal epidermis and maintenance of the skin barrier in response to mechanical stress (PubMed:11408584). Regulates the recruitment of Langerhans cells to the epidermis, potentially by modulation of the abundance of macrophage chemotactic cytokines, macrophage inflammatory cytokines and CTNND1 localization in keratinocytes (PubMed:19267394). {ECO:0000269|PubMed:11408584, ECO:0000269|PubMed:19267394}.

Molecular Weight: 61.8 kDa

UniProt: [Q922U2](#)

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.

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
