

Datasheet for ABIN7548722

Keratin 10 Protein (KRT10) (AA 1-584) (His tag)



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Overview

Quantity:	1 mg
Target:	Keratin 10 (KRT10)
Protein Characteristics:	AA 1-584
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Keratin 10 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat KRT10 Protein expressed in mammalien cells.
Sequence:	MSVRYSSSKH YSSSRSGGGG GGGGCGGGGG VSSLRISSK GSLGGGFSSG GFSGGSFSSRG SSGGGCFGGS SGGYGGLGGF GGGSFRRSYG SSSFGGSYGG IFGGGSFGGG SFGGGSFGGG GFGGGGFGGG FGGGFGGDGG LLSGNEKVTM QNLNDRLAS Y LDKVRALEES NYELEGKIKE WYEKHGNSHQ GEPRDYSKYY KTIDDLKNQI LNLTTDNANI LLQIDNARLA ADDFRLKYEN EVALRQSVEA DINGLRRVLD ELTLTKADLE MQIESLTEEL AYLKKNHEEE MKDLRNVSTG DVNVEMNAAP GVDLTQLLNN MRSQYQLAE QNRKDAEAWF NEKSKELTTE IDNNIEQISS YKSEITELRR NVQALEIELQ SQLALKQSLE ASLAETEGRY CVQLSIIQAQ ISALEEQLQQ IRAETECQNT EYQQLLDIKI RLENEIQTYR SLLEGE GSSG GGRRGGGSFG GYG GGS SSGG GSSGGGHGGG HGGSSGGGYG GGSSGGGSSG GYG GGS SSGG GHGGSSSGGY GGGSSGGGGG GYGGGSSGGG SSSGGGYGGG SSSGGHKSSS SG SVGES SSK GPRY 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:

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, Western Blot

Grade:

custom-made

Target Details

Target:

Keratin 10 (KRT10)

Alternative Name:

KRT10 ([KRT10 Products](#))

Background:

Keratin, type I cytoskeletal 10 (Cytokeratin-10) (CK-10) (Keratin-10) (K10),FUNCTION: Plays a role in the establishment of the epidermal barrier on plantar skin (By similarity). Involved in the maintenance of cell layer development and keratin filament bundles in suprabasal cells of the epithelium (By similarity). {ECO:0000250|UniProtKB:P02535}., FUNCTION: (Microbial infection) Acts as a mediator of S.aureus adherence to desquamated nasal epithelial cells via clfB, and hence may play a role in nasal colonization. {ECO:0000269|PubMed:15385531}., FUNCTION: (Microbial infection) Binds S.pneumoniae PsrP, mediating adherence of the bacteria to lung cell lines. Reduction of levels of KRT10 keratin decrease adherence, overexpression increases adherence. Neither protein has to be glycosylated for the interaction to occur. {ECO:0000269|PubMed:19627498}.

Molecular Weight:

58.8 kDa

Target Details

UniProt: [P13645](#)

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

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