

Datasheet for ABIN7548726

Keratin 2 Protein (KRT2) (AA 1-639) (His tag)



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Overview

Quantity:	1 mg
Target:	Keratin 2 (KRT2)
Protein Characteristics:	AA 1-639
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Keratin 2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant KRT2 Protein expressed in mammalian cells.
Sequence:	<p>MSCQISCKSR GRGGGGGGFR GFSSGSVVV GGSRRSTSSF SCLSRHGGGG GGFGGGGFSG RSLVGLGGTK SISISVAGGG GGFGAAGGFG GRGGGFGGGS SFGGGSGFSG GGFGGGGFSG GRFGGFGGPG GVGGLGGPGG FGPGGYPGGI HEVSVNQSL QPLNVKVDPE IQNVKAQERE QIKTLNNKFA SFIDKVRFLQ QNQVLQTKW ELLQQMNVGT RPINLEPIFQ GYIDSLKRYL DGLTAERTSQ NSELNNMQL VEDYKKKYED EINKRTAAEN DFVTLKKDVD NAYMIKVELQ SKVDLLNQEI EFLKVLDAE ISQIHQSVTD TNVILSMDNS RNLDLDSIIA EVKAQYEEIA QRSKEEAEAL YHSKYEELQV TVGRHGDSLK EIKIEISELN RVIQRLQGEI AHVKKQCKNV QDAIADAEQR GEHALKDARN KLNDLEEALQ QAKEDLARLL RDYQELMNVK LALDVEIATY RKLLEGEPCR MSGDLSSNVT VSVTSSSTISS NVASKAAFSG SGGRGSSSGG GYSSGSSSYG SGGRQSGSRG GSGGGGSISG GYGSGGGSG GRYGSGGGSK GGSISGGGYG SGGGKHSSGG GSRGGSSSGG GYGSGGGSS SVKGSSGEAF GSSVTFSTR Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different</p>

Product Details

complexity of the protein could make another tag necessary. In case you have a special 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: Keratin 2 (KRT2)

Alternative Name: KRT2 ([KRT2 Products](#))

Background: Keratin, type II cytoskeletal 2 epidermal (Cytokeratin-2e) (CK-2e) (Epithelial keratin-2e) (Keratin-2 epidermis) (Keratin-2e) (K2e) (Type-II keratin Kb2),FUNCTION: Probably contributes to terminal cornification (PubMed:1380918). Associated with keratinocyte activation, proliferation and keratinization (PubMed:12598329). Required for maintenance of corneocytes and keratin filaments in suprabasal keratinocytes in the epidermis of the ear, potentially via moderation of expression and localization of keratins and their partner proteins (By similarity). Plays a role in the establishment of the epidermal barrier on plantar skin (By similarity).
{ECO:0000250|UniProtKB:Q3TTY5, ECO:0000269|PubMed:12598329, ECO:0000269|PubMed:1380918}.

Target Details

Molecular Weight: 65.4 kDa

UniProt: [P35908](#)

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