

Datasheet for ABIN7557087

Keratin 2 Protein (KRT2) (AA 1-707) (His tag)



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Overview

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|-------------------------------|--|
| Quantity: | 1 mg |
| Target: | Keratin 2 (KRT2) |
| Protein Characteristics: | AA 1-707 |
| Origin: | Mouse |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This Keratin 2 protein is labelled with His tag. |
| Application: | SDS-PAGE (SDS), Western Blotting (WB) |

Product Details

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|-----------|--|
| Purpose: | Custom-made recombinat Krt2 Protein expressed in mammalian cells. |
| Sequence: | <p>MSCQISCRSR RGGGGGGGGG FRGFSSGSAV VSGGSRRSNT SFSCISRHGG GRGGSGGGGF GSQSLVGLGG YKSISSSVAG NSGGYGGSSF GGSSGFGGGR GFGGGQFGG SGGFGGGSGF GGGQGFGGGS RFGGGSGFGG GGFGGGSFGG GRFGGGPGGF GPGGFPGGG IHEVSVNQSL LQPLDVKVDP EIQNVKSQER EQIKTLNKF ASFIDKVRFL EQQNQVLR TK WELLQQLDVG SRTTNLDPIF QAYIGMLKKQ VDRLSAERTS QESELNMQD LVEDFKKKYE DEINKRTSAE NDFVTIKKDV DSCYMDKTEL QARLDILAQE VNFLRTL YDA ELSQLQQDVT DTNVILSMDN NRNLDLDSII AEVQNQYEMI AHKSKAESEE LYHSKYEELQ VTAVKHGDSL KEIKMEISEL NRTIQLQGE ISHVKKQCKG VQDSIADAEQ RGEHAIKDAR GKLTDLEEAL QQCREDLARL LRDYQELMNT KLSLDVEIAT YRKLLEGE EC RMSGDFSDNV SVSITSSTIS SSVASKTGFG SGGQSSGGRG SYGGRGGGGG GGSTYGS GGR SSGSRGSGSG SGGGGYSSGG GSRGGSGGGY GSGGSRGGS GGGYGS GGS GSGGGYSSGG GSRGGSGGGG VSSGGSRGG SSSGGSRGG</p> |

Product Details

SSSGGGGYSS GGGSRGGSSS GGAGSSSEKG GSGSGEGCGS GVTFSTR **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 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 (By similarity). Associated with keratinocyte activation, proliferation and keratinization (By similarity). 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 (PubMed:24751727). Plays a role in the establishment of the epidermal barrier on plantar skin (PubMed:26603179).
{ECO:0000250|UniProtKB:P35908, ECO:0000269|PubMed:24751727, ECO:0000269|PubMed:26603179}.

Target Details

Molecular Weight: 70.9 kDa

UniProt: [Q3TTY5](#)

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