Datasheet for ABIN5709827
KRT17 Protein (AA 1-441, full length) (His-SUMO Tag)
1 Image


Overview

| Quantity: | $100 \mu \mathrm{~g}$ |
| :--- | :--- |
| Target: | KRT17 |
| Protein Characteristics: | full length, AA 1-441 |
| Origin: | Cow |
| Source: | Escherichia coli (E. coli) |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This KRT17 protein is labelled with His-SUMO Tag. |
| Application: | SDS-PAGE (SDS) |

Product Details

| Sequence: | MTTTIRHFSS GSIKGSSGLA GGSSRSCRVS GSLGGGSCRL GSAGGLGSGL GGSSYSSCYS |
| :--- | :--- |
|  | FGSGGGYGSG GYVSGGYGGG FGGVDGLLVG GEKATMQNLN DRLASYLDKV RALEEANTEL |
|  | ELKIRDWYQK QAPGPAPDYS SYFKTIEDLR NKIHTATVDN ANLLLQIDNA RLAADDFRTK |
|  | FETEQALRVS VEADINGLRR VLDELTLARA DLEMQIENLK EELAYLRKNH EEEMKALRGQ |
|  | VGGEINVEMD AAPGVDLSRI LNEMRDQYEK MAEKNRKDAE DWFFSKTEEL NREVATNSEL |
|  | VQSGKSEISE LRRTLQALEI ELQSQLSMKA SLEGSLAETE NRYCMQLSQI QGLIGSVEEQ |
|  | LAQLRCEMEQ QNQEYKILLD VKTRLEQEIA TYRRLLEGED AHLTQYKTKE PVTTRQVRTI |
|  | VEEVQDGRVI SSREQVHQTS H |
| Purification: | SDS-PAGE |
| Purity: | $>90 \%$ |

## Target Details

| Target: | KRT17 |
| :---: | :---: |
| Alternative Name: | K1C17 (KRT17 Products) |
| Background: | Type I keratin involved in the formation and maintenance of various skin appendages, specifically in determining shape and orientation of hair. Required for the correct growth of hair follicles, in particular for the persistence of the anagen (growth) state. Modulates the function of TNF-alpha in the specific context of hair cycling. Regulates protein synthesis and epithelial cell growth through binding to the adapter protein SFN and by stimulating Akt/mTOR pathway. Involved in tissue repair. May be a marker of basal cell differentiation in complex epithelia and therefore indicative of a certain type of epithelial "st cells". Acts as a promoter of epithelial proliferation by acting a regulator of immune response in skin: promotes Th1/Th17-dominated immune environment contributing to the development of basaloid skin tumors. May act as an autoantigen in the immunopathogenesis of psoriasis, with certain peptide regions being a major target for autoreactive T-cells and hence causing their proliferation. |
| Molecular Weight: | 64.71 kDa |
| UniProt: | A1L595 |
| Application Details |  |
| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Restrictions: | For Research Use only |
| Handling |  |
| Format: | Liquid |
| Concentration: | $0.1-2 \mathrm{mg} / \mathrm{mL}$ |
| Buffer: | 20 mM Tris-HCl based buffer, pH 8.0 |
| Storage: | $-80^{\circ} \mathrm{C}, 4^{\circ} \mathrm{C},-20^{\circ} \mathrm{C}$ |
| Storage Comment: | Store at $-20^{\circ} \mathrm{C}$, for extended storage, conserve at $-20^{\circ} \mathrm{C}$ or $-80^{\circ} \mathrm{C}$. Repeated freezing and thawing is not recommended. Store working aliquots at $4^{\circ} \mathrm{C}$ for up to one week. |



Image 1.

