

Recombinant human KRT5 protein

Catalog Number: ATGP2640

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-590aa

UniProt No.

P13647

NCBI Accession No.

AAH24292

Alternative Names

Keratin 5, CK5, DDD, K5, KRT5A

PRODUCT SPECIFICATION

Molecular Weight

64.8 kDa (613aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M urea

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

KRT5 is a member of the keratin gene family. The type II cytokeratins consist of basic or neutral proteins which are arranged in pairs of heterotypic keratin chains coexpressed during differentiation of simple and stratified epithelial tissues. This type II cytokeratin is specifically expressed in the basal layer of the epidermis with family member KRT14. Mutations in these genes have been associated with a complex of diseases termed epidermolysis bullosa simplex. Recombinant human KRT5 protein, fused to His-tag at N-terminus, was expressed in E. coli

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Amino acid Sequence

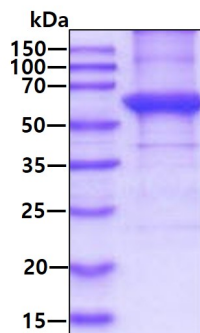
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GGLGGGLAGG GSGSYSSSS GGVGLSGGLS VGGSGFSASS GRGLGVGFGS GGGSSSVKF VSTTSSSRKS FKS

General References

Nishizawa M., et al (2005) Cell Sci. 118:1081-1090..

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.