

Recombinant Human KRT5 Protein, His-tagged

Cat. No. KRT5-1078H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KRT5 Protein (Ile335-Glu473) with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ile335-Glu473
Description	The protein encoded by this gene 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. The type II cytokeratins are clustered in a region of chromosome 12q12-q13.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 21.9 kDa
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	KRT5 keratin 5 [Homo sapiens (human)]
Official Symbol	KRT5
Synonyms	KRT5; keratin 5; K5; CK5; DDD; DDD1; EBS1; EBS2; EBS2A; EBS2B; EBS2C; EBS2D; EBS2E; EBS2F; KRT5A; keratin, type II cytoskeletal 5; 58 kda cytokeratin; CK-5; cytokeratin-5; epidermolysis bullosa simplex 2 Dowling-Meara/Kobner/Weber-Cockayne types; keratin 5 (epidermolysis bullosa simplex, Dowling-Meara/Kobner/Weber-Cockayne types); keratin 5, type II; type-II keratin Kb5
Gene ID	3852
mRNA Refseq	NM_000424
Protein Refseq	NP_000415
MIM	148040

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