Recombinant Human KRT5 protein, His & S-tagged

Cat. No. KRT5-2691H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KRT5 aa. (Thr166~Leu474 (Accession # P13647)) fused with N-terminal His & S tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Thr166~Leu474
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: 42.0kDa
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	>95%

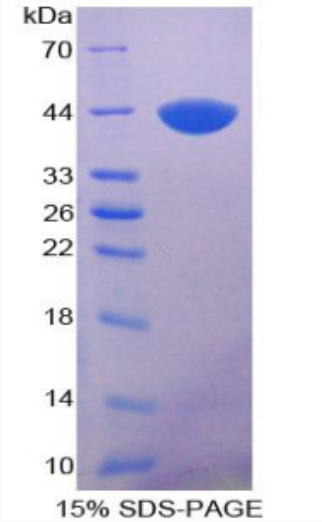
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Characteristic	The isoelectric point is 5.2.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C 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°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 1mM DTT, 5% trehalose, 0.01% sarcosyl and preservative.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	KRT5 keratin 5 [Homo sapiens (human)]
Official Symbol	KRT5
Synonyms	K5; CK5; DDD; DDD1; EBS2; KRT5A; 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; keratin, type II cytoskeletal 5
Gene ID	3852
mRNA Refseq	NM_000424.3

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Protein Refseq	NP_000415.2
UniProt ID	P13647
SDS-PAGE	

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