

Recombinant Human KRT14 protein, His & T7-tagged

Cat. No. KRT14-2729H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KRT14 aa. (Leu111~Leu418 (Accession # P02533)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Leu111~Leu418
Description	This gene encodes a member of the keratin family, the most diverse group of intermediate filaments. This gene product, a type I keratin, is usually found as a heterotetramer with two keratin 5 molecules, a type II keratin. Together they form the cytoskeleton of epithelial cells. Mutations in the genes for these keratins are associated with epidermolysis bullosa simplex. At least one pseudogene has been identified at 17p12-p11.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 39.7kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 5.1.

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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 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

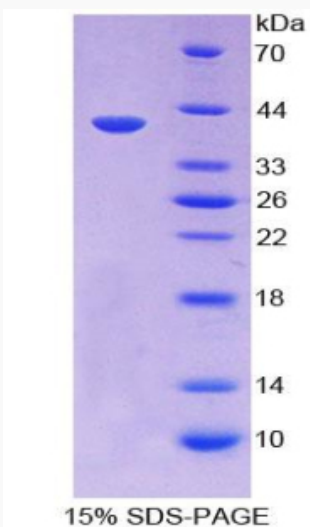
Gene Name	KRT14 keratin 14 [Homo sapiens (human)]
Official Symbol	KRT14
Synonyms	K14; NFJ; CK14; EBS3; EBS4; cytokeratin 14; keratin 14, type I; keratin, type I cytoskeletal 14
Gene ID	3861
mRNA Refseq	NM_000526.4
Protein Refseq	NP_000517.2
UniProt ID	P02533

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SDS-PAGE



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