Recombinant Human Keratin 14

Cat. No. KRT14-374H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant humanKRT14 is a single, non-glycosylated polypeptide chain.
Species	Human
Source	E.coli
Description	KRT14, type I cytoskeletal 14 also known ascytokeratin-14 (CK-14) or keratin-14 (K14) is a protein that in humans isencoded by the KRT14 gene. Keratin 14 is a type I keratin. It is usuallyfound as a heterotetramer with two keratin 5 molecules, a type II keratin.Together they form the cytoskeleton of epithelial cells.
Form	Lyophilized from asterile filtered solution containing 30 mM Tris-HCl, pH 8.0 + 9.5 M urea + 2mM EDTA + 10 mM methylammonium chloride.
Molecular Weight	51.53 kDa
Purity	> 95% asdetermined by SDS-PAGE and RP-HPLC analyses.
Endotoxin Level	< 0.1 ng/μg ofKRT14.
Reconstitution	Centrifuge vialprior to opening. First add sterile distilled water to the vial to fully solubilizethe protein to a concentration not less than 100 μg/ml. After complete solubilizationof the protein, it can be further diluted to other aqueous solutions.
Storage	Store lyophilizedprotein at -20°C to -80°C. Reconstituted protein is stable for 1 week

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	at 2-4°C.For long term storage, aliquot and store at -20°C to -80°C with a carrierprotein (0.1% HSA or BSA) as a stabilizer. Please note that the addition ofany carrier protein into this product may produce unwanted endotoxin. Thisdepends upon the particular application employed. Avoid repeated freeze-thawcycles.
OfficialSymbol	KRT14

GENE INFORMATION

Gene Name	KRT14 keratin 14 [Homosapiens]
Synonyms	KRT14; keratin 14;K14; NFJ; CK14; EBS3; EBS4; keratin, type I cytoskeletal 14; CK-14;keratin-14; cytokeratin 14; Cytokeratin-14; cytokeratin-14; Keratin-14;OTTHUMP00000164624; keratin 14 (epidermolysis bullosa simplex, Dowling-Meara,Koebner)
Gene ID	3861
mRNA Refseq	NM_000526
Protein Refseq	NP_000517
MIM	148066
UniProt ID	P02533
Chromosome Location	17q12-q21
Pathway	Glucocorticoidreceptor regulatory network

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Function	protein binding;structural constituent of cytoskeleton

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