

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 is encoded 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 a sterile 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% as determined by SDS-PAGE and RP-HPLC analyses.
Endotoxin Level	< 0.1 ng/g 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 g/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 carrier protein (0.1% HSA or BSA) as a stabilizer. Please note that the addition of any carrier protein into this product may produce unwanted endotoxin. This depends upon the particular application employed. Avoid repeated freeze-thaw cycles.

Official Symbol 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 Glucocorticoid receptor regulatory network

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Function

protein binding;structural constituent of cytoskeleton

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