

Recombinant Human KRT19 Protein, His-tagged

Cat. No. KRT19-001H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant human full length keratin 19 protein with N-terminal His tag, was expressed in E. coli

Species Human

Source E.coli

Description The protein encoded by this gene is a member of the keratin family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. The type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. Unlike its related family members, this smallest known acidic cytokeratin is not paired with a basic cytokeratin in epithelial cells. It is specifically expressed in the periderm, the transiently superficial layer that envelops the developing epidermis. The type I cytokeratins are clustered in a region of chromosome 17q12-q21.

Molecular Mass 43.9 kDa

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for at least 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

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Concentration >50 ug/mL as determined by microplate BCA method.

Storage Buffer 25mM Tris, pH8.0, 150 mM NaCl, 10% glycerol, 1 % Sarkosyl.

Full Length Full L.

GENE INFORMATION

Gene Name KRT19

Official Symbol KRT19 keratin 19 [Homo sapiens (human)]

Synonyms CK19; K19; K1CS; KRT19; keratin 19; keratin, type I cytoskeletal 19; 40-kDa keratin intermediate filament; CK-19; cytokeratin 19; keratin 19, type I; keratin, type I, 40-kd

Gene ID 3880

mRNA Refseq NM_002276

Protein Refseq NP_002267

MIM 148020

UniProt ID P08727

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