

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 envelopes 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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