

Recombinant Full Length Human KRT19 Protein, His-tagged

Cat. No. KRT19-7239H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human KRT19 Protein with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-400 aa
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.
Tag	His
Molecular Mass	47 kDa
AA Sequence	MGSSHHHHHHSSGLVPRGSHMGSMTSYSYRQSSATSSFGLGGGSVRFPGVAF RPSIHGGSGGRGVSVSSARFVSSSSSGAYGGGYGGVLTASDGLLAGNEKLTMQN LNDRLASYLDKVRLEAANGELEVKIRDWYQKQGPSPRDYSHYYTTIQDLRDKILG

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

ATIENSRLVLQIDNARLAADDFRTKFETEQALRMSVEADINGLRRVLDELTLARTDLE
 MQIEGLKEELAYLKKNHEEEISTLRGQVGGQVSVEVDSAPGTDLAKILSDMRSQYEV
 MAEQNRKDAAEWFTSRTEELNREVAGHTEQLQMSRSEVTDLRRTLQGLEIELQSQL
 SMKAALEDTLAETEARFGAQLAHIQALISGIEAQLGDVRADSERQNQEYQRLMDIKS
 RLEQEIATYRSLLLEGQEDHYNNLSASKVL

Purity >90% by SDS-PAGE

Storage Store it under sterile conditions at -20 to -80 °C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Concentration 1mg/mL by BCA

Storage Buffer Sterile PBS, pH7.4

GENE INFORMATION

Gene Name KRT19 keratin 19 [Homo sapiens (human)]

Official Symbol KRT19

Synonyms KRT19; keratin 19; keratin, type I cytoskeletal 19; 40 kDa keratin intermediate filament; CK19; cytokeratin 19; K1CS; K19; keratin; type I cytoskeletal 19; type I; 40 kd; MGC15366; CK-19; keratin-19; cytokeratin-19; keratin, type I, 40-kd; 40-kDa keratin intermediate filament;

Gene ID 3880

mRNA Refseq NM_002276

Protein Refseq NP_002267

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MIM	148020
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UniProt ID	P08727
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